

```

cacgtctgtg tgcgccgact gctccgcggt cttccacagg gactgctact acgacaactc 180
caccacttgt cccaagtgtg cccggctcag cctgaggaag cagtcgctct tccaggagcc 240
aggtcccgat gtggaggcct agcgccgagg aacagtgtct ggcaccccgcc ctggcccgcc 300
aggacccacc ctgccaacat caagttgttc cttctgctcc ggagaccctt ggggtgcggc 360
cctggccccc tccaccctct ctggggccaga gcgggtgggc agtgtcaagg cccgctgtct 420
cccagggtgt tgctgggact cggggcggtc gcacctgggt gtcacctggg tgtgctgctg 480
tgaggggtcc ttgcgtggcc cccatccttc ccccaatgca gaactccatg ggcagggagc 540
tggggggaca tctcacctcc cccatggcac agagccctcc acaccctgg accaggggcat 600
ccggggcccta gaaattccac agctcccgct ctggccaccc tggaagctca tcaggccaag 660
acccggacag agcttcagag gagtgttgag tgacacctga ggatgcggct gcacacactc 720
agccaagggc cgagtctcac ctgcggtggg gtttcggctc tgctggggg ctccatccct 780
ttcagccact cgtggccttg gggatttctg gttgtcccca gctgggactg ttcacagttg 840
tcacctgcag acctgcctct cctggcctg aggttcaaag gcctcatcg atggtcagta 900
cagtgggggt acctgttgtt tctatacaac agcaggggag gggccatgga gcttttcctt 960
gctgggtgct cctgcttttg cccagccac ctttcctggt gctccaagct aggaggctgt 1020
ggccccagcc tgaggagggt gtcctggcct t 1051

```

```

<210> 4880
<211> 2365
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (55)...(728)
<223> similar to gi3879185 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4880
gcgggtggaat tccgctgctg tcccggccgg gaccccgccct gcttcgcccg cggtctggagg 60
ctggacagggt tctacgggac gtgtttctgc gaccaagcct gtcgcttcac cggggactgc 120
tgcttcgact acgacagggc gtgcccagct cggccgtgct tcgtggggga atggagcccc 180
tgaggtggtt gtgcagacca gtgcaagcct acaaccctg tgcgaggcg ctcggtgcag 240
caggagcctc agaacggcgg ggcgcctgc ccaccctgg aagagagagc tggctgcctg 300
gagtactcca ccccgccagg ccaggactgc gggcacacct atgttcctgc ctttataact 360
acctctgcat tcaacaagga gagaacacga caagctacgt ctccacactg gtctacacac 420
acagaggatg ctggatactg tatggagttt aagacagagt ccttgactcc tactgtgct 480
ctggaaaacc ggccttgac tagatggatg cagtatctcc gagagggata cacggtgtgt 540
gtggattgtc agcctccagc tatgaactct gtgagccttc gttgttctgg agatggcctg 600
gactccgatg gaaatcagac tctccattgg caagcaattg gtaatcctcg gtgtcaagga 660
acttgaaaaa aagttcggcg agtagaccag tgttcttctc cagctgttca cagttttatt 720
tttatataga tgggtgatata aatatctcca aatgcatttg taaacattct aaatattctc 780
aagtcattgt caatgtttcc taaaccttca attttgcca aagtcccaa acacatcatt 840
gccacactct gaagtagaga aagaaaattt aggggccagt tctcaaggaa cacaggtcct 900
ttatTTTTAT ttttaactaag ttgaagacc actcaaaaag ctcttggtgt tttatgttct 960
tgacctttca actggagtcc tctcattcag cagggtggccc gtgagacaca gaatacatgt 1020
ctgtttgcta aagtaaaatt actgtaactc agtccgatta ttgggtgacgg aagtgtcatt 1080
taaggggatc tatgttttga accttgcagt ctattttata atctttttaa agtttctcac 1140
tttaaacatg gtatacaggt atgcacactc tacacatatt tccatatatt taatattcca 1200
taaattctga aataatttca agcaaattat cacaaataat ttttccacag ggcaaattat 1260

```

ttaaaatttt	agtaagcatt	ctgtaatgaa	aaaccaagtt	ataactaaaa	cattttttga	1320
agaagaaatt	ttttttttgc	ttaagaagtg	aaaggatcaa	atgctcattg	taggtcaatg	1380
ggagttcttt	taaatgttat	aattttcatg	aaaagaaatg	ttgacaccag	tgaatgaaac	1440
aattgctttc	attctgaaaa	ttctaccacc	atgtgcatct	aagattattt	ccaaggctta	1500
aagcctgaag	ctgaataaaa	taatctttca	gagtccagct	tcaagtttag	ttgatgtaag	1560
ctcactattt	ttttcttacc	gcatgcattt	tctaattgtt	ggggtggatg	gtgtgtcggg	1620
tatggaaggc	atagacgtca	ttacagggtg	tacgatctca	cacacacaca	aggaaatgtt	1680
agtctcctta	ttttatgatt	ggaaaatcaa	tgacctagag	gcaaaatggc	atgtttaagg	1740
acctgggatg	acaagtcatt	ctgcagtcag	ccacagagcc	aaatttggac	tcctcaacca	1800
gaactccatg	aaaagcctga	ctttgccaaa	cactgtgctg	gaaaagctaa	gcccctttca	1860
tttgatgaag	aaattttaaa	ttcaagatat	ttagttaga	gaattgagtc	ttgagatgta	1920
aactacatga	gattttcttg	gtttcaattg	aataatattc	actaacaat	gatttactaa	1980
aatacgtatt	tcttggtcct	tatcatgtaa	tgacagattc	acaacagcaa	taaggatgga	2040
gatttcccca	ataattaata	acaccgagag	tagcaatatt	ttttactgta	ttttcattta	2100
attgtcaaa	ttgtttttgt	ggaaaattaa	attcttcaga	aattaataat	aaaatatgtg	2160
attctcatca	aggctagcaa	ctttaagtca	gtattaacat	tttcatactg	tttctaacat	2220
ttattaagct	agatttttga	agctatgtct	gggtaatttc	caatgttact	taaaagtgtt	2280
tttttctttg	agacagagtc	tcactctgtt	gcccaggctg	gagtgcagtg	gccccatctc	2340
ggctcactgc	aagctccgcc	tcccg				2365

<210> 4881
 <211> 2449
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (15)...(1066)
 <223> similar to gi3874290 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4881	
cagacttgcg	tctgtcaccg ggtccctcca cccttgctctc ctgtgcggcc agcgtcagag 60
ccatggcgac	ggaggagaag aagcccagaga ccgaggccgc cagagcacag ccaaccctt 120
cgtcatccgc	cactcagagc aagcctacac ctgtgaagcc aaactatgct cttaaagttca 180
cccttgctgg	ccacaccaa gcaagtgcct ccgtgaaatt cagcccgaat ggagagtggc 240
tggcaagttc	atctgctgat aaacttatta aaatttgggg cgcgtatgat gggaaatttg 300
agaaaacat	atctggtcac aagctgggaa tatccgatgt agcctggtcg tcagattcta 360
accttcttgt	ttctgcctca gatgacaaa ccttgaagat atgggacgtg agctcgggca 420
agtgtctgaa	aacctgaag ggacacagta attatgtctt ttgctgcaac ttcaatcccc 480
agtccaacct	tattgtctca ggatcctttg acgaaagcgt gaggatatgg gatgtgaaaa 540
cagggaagtg	cctcaagact ttgccagtc actcggatcc agtctcggcc gttcatttta 600
atcgtgatgg	atccttgata gtttcaagta gctatgatgg tctctgtcgc atctgggaca 660
ccgcctcagg	ccagtgcctg aagacgetca tcatgacga caaccccccc gtgtcttttg 720
tgaagttctc	cccgaacggc aaatacatcc tggccgccac gctggacaac actctgaagc 780
tctgggacta	cagcaagggg aagtgcctga agacgtacac tggccacaag aatgagaaat 840
actgcatatt	tgccaatttc tctgttactg gtgggaagtg gattgtgtct ggctcagagg 900
ataaccttgt	ttacatctgg aaccttcaga cgaaagagat tgtacagaaa ctacaaggcc 960
acacagatgt	cgtgatctca acagcttgct acccaacaga aaacatcatc gcctctgctg 1020
cgctagaaaa	tgacaaaaca attaaactgt ggaagagtga ctgctaagtc cctttgctcc 1080

tgcccgcgag	agactgtcgg	gaagttgacc	cggattggca	agaaacaggg	tgtcttggag	1140
gtgggtcccc	agatctgcgc	ctgggggtca	ggacagggcc	tgattttgagc	ctcctctctg	1200
aagatgattt	ggccgagcgg	aagggtgtgga	ccaccggaaa	gttcttaaaa	gttgctgggtg	1260
acatttcttg	ccaattctaa	cactgtctag	ggaagagttc	ctagtctatt	gtgttcaaac	1320
agagtcaaca	aaagttttta	attttttatt	acagaagggg	gaagttcaat	ttaacatgcg	1380
tttgtgtttt	tcagtaaacg	ttctgtatct	ttttgatatt	ccatgaccca	gtgcacgctg	1440
tggcctgtca	ccgccaccgt	ggccccgcca	gctggcctcc	cctttggccc	acgccggccg	1500
ccccatttct	ctgctgcgta	gatgccctgg	cccaggggccc	tgactcctcc	attcccgccca	1560
gtagctgttc	ctagtgtatt	ttcgtctttc	tggaaaacag	cattgagtgg	ttgttttctg	1620
tgtaaagagc	cgtttgtgtc	ttgggagttt	gtggcccaca	tgccgatagc	acggtcatcg	1680
cacatgactc	tcccgtttgt	ctcagtgtcc	ctgcaacaag	cagcaccgca	gactgtaata	1740
aaagggtggg	ttttgtgaat	ggttgtggca	agtgcgtcct	tgtgaagctc	gtctccatgt	1800
ggctttcttg	gagaaaggct	cccctggggc	aagaggggtg	aaggtttctt	tggacaggag	1860
gtgctgaggc	tggctgcacc	tgctctctga	agacgctttc	ctctctaggt	tcattgttca	1920
gtgttgctgg	gggcggggaa	cgggggtggg	gaggttctta	gttgcgaagg	agccaagctc	1980
ctgatggact	tgcgttgggg	tgtgggggac	acctgtggca	tggtaaggct	ccctgagtc	2040
cttactccag	gtcagatgcc	agtgggactc	atgcgcctta	tgagggctgc	agggccagtg	2100
ctgcccctcg	gactcctcga	ggggttgggt	gctaagcgcg	agcctcgccg	tccctgctgg	2160
agccctcgcc	tgcttgcccc	tctgcctgtg	ctcctggcac	tgtggcttcc	cgggtgctcac	2220
ctgcacagca	gttaacagca	gaggccgagc	gggagcctct	ggggagcgag	gctgaaacct	2280
gaacctgccc	atggagacag	ttgtggtgag	ggttgccaca	cacagtgagg	gcggagcagg	2340
gtggctgagg	gcacaggtgc	ttgggtctgt	cccacggggc	agggcttttg	ggctgtgatg	2400
ctctgggaag	ccagcttggg	tcctgggtct	acagagggcc	ctggcccgg		2449

<210> 4882

<211> 729

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (264)...(642)

<223> similar to gi4588080 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4882

aatttctgct	gttttaagct	agaaaatttg	tgataattag	ttgcagcagc	tgtaggaaac	60
taatacaagt	atgcatttga	aactaattac	agattttgaa	ttgctttaaa	tcttagtcta	120
cgactatctt	gtgtttatag	ttaagagctt	tttaaaaaaa	agtatattaa	ggactgaata	180
tctgtcataa	aaacaatggt	atatatgtat	tattccattt	atcctcacia	ggttactggt	240
ttggttttat	tttacctact	gcagacgtgg	ctgggtggcta	ttcatattcc	atgcttgatg	300
caatcagaag	agcagtgatg	gtttccaata	tccttttaat	taataaggta	aatgagaaaa	360
gcctcaccct	caaagaagtc	ttcagactag	ctactcttgg	aggaagccaa	gccctggggc	420
tggatggtga	gattggaaac	tttgaagtgg	gcaaggaatt	tgatgccatc	ctgatcaacc	480
ccaaagcatc	cgactctccc	attgacctgt	tttatgggga	cttttttggg	gatatttctg	540
aggctgttat	ccagaagttc	ctctatctag	gagatgatcg	aaatattgaa	gaggtttatg	600
tgggcggaag	gcaggtgggt	ccgttttcca	gctcagtgc	ttatctatac	ctggggccag	660
attttctgca	ctttgaaatg	ttgcctttgc	ctaataaaag	aaacaattca	cttaccagcc	720
tcctcacccc						729

SECRET

```
<210> 4884
<211> 6692
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2978)
<223> similar to gi2224607 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

3504

tcctcaaaca	cgccgcagcg	acaatgaagt	ttctaagctc	aggtaaagaa	cagaagccaa	720
agcctaaaga	aaagatgaag	atgaagccag	agaagcccag	tcttccgaaa	tgcggtgctc	780
aggcaggtat	taaaatctct	tctgtgcaca	agagaccagc	tccagaaaaa	aaagagacca	840
cagtgaagaa	ggcagtggtg	gtccctgcgc	ggagtgaagc	actcggaag	gaagcagctt	900
gtgagagcag	cacgccgtcg	tgggcgagcg	atcacaaata	caatgcagta	aagccagaaa	960
agactgctgc	tccctcgccg	tcactgttgt	ataaatccac	gaaggaagac	aggaggtccg	1020
aggagaaaagc	ggcagccacg	gcagcctcaa	agaaaacagc	ccctccaggc	tccacggtgg	1080
gcaagcagcc	tgcacctaga	aacctcgctg	caaagaagtc	ttcttttgct	aatgtggcag	1140
cagccacacc	agccattaaa	aagccaccct	cagggtttcaa	gggcaccatc	cccaagaggc	1200
catggctctc	cgctacccca	tcgagtgggtg	cttcagctgc	caggcaggcc	ggaccggcac	1260
ctgcagcggc	gacggctgcc	tccaagaagt	tccctggctc	cgctgctttg	gtgggagccg	1320
taaggaagcc	agtggtagct	tctgttccaa	tggcctcgcc	agccccagga	cgccttgggg	1380
ctatgagtg	tgcaccatcg	cagccaaatt	cacaaattcg	gcaaaatata	agacgctcct	1440
taaaagagat	tttgtggaaa	agagtcaatg	acagcgatga	cttaatcatg	acagaaaacg	1500
aagtaggaaa	aattgcccctc	catattgaga	aggagatggt	taacttgttt	caagttacag	1560
ataatcgcta	caagagtaaa	tatcgagca	tcatgttcaa	cctgaaggac	cctaaaaatc	1620
agggactctt	ccatcggtgt	ctgcgtgagg	aaatctcttt	ggcgaaactt	gtgagactga	1680
agccagaaga	acttgtatct	aaagagcttt	ccacgtggaa	agagaggcca	gcgagatctg	1740
tgatggagtc	cagaactaaa	ctgcacaaatg	aaagcaagaa	gacggccccc	aggcaggagg	1800
ccatccccga	tctggaggac	tctccgccag	tgtcggattc	agaggaacag	caagagtcag	1860
cacgtgctgt	ccctgagaag	agcacagcgc	cgcttctcga	cgtcttcagc	agcatgttga	1920
aagacaccac	cagtcagcac	cgcgcacacc	tcttcgatct	caactgtaaa	atttgcacag	1980
gccaggttcc	ctccgcagaa	gatgagccag	ctccgaaaaa	acaaaaattg	tcagcttctg	2040
ttaagaaaga	agacttaaaa	tcaaagcatg	acagctctgc	acctgaccca	gctccggatt	2100
cagctgatga	ggtgatgccg	gaggctgtgc	ctgaagttgc	ctctgagcca	ggcctagaaa	2160
gtgcttctca	tccaaatgtg	gacagaacgt	atttccctgg	gcctccagga	gatggccatc	2220
ccgagccctc	cccgtggaa	gacctgtccc	cctgcccagc	ctcctgtggg	agcgggggtg	2280
tcaccaccgt	cacagtgtcc	ggccgggacc	ccaggaccgc	tccaagcagt	tcatgcacag	2340
ccgtggcctc	cgcagcatcc	cgcccagaca	gcacccacat	ggtggaagcc	agacaggatg	2400
tgcogaagcc	tgtcttgact	tctgtgatgg	tgcccaagtc	catactagct	aagccatcct	2460
catctcctga	ccaagatac	ctgtcagttc	ctccgtcacc	aaatatcagc	acttcagaat	2520
cacgttcccc	tccagaggga	gacacgaccc	tctttttgtc	tcgactcagc	accatttgga	2580
aaggatttat	taacatgcag	agtgtggcaa	aatttgtcac	taaggcgtat	cctgtctctg	2640
ggtgttttga	ttacctcagt	gaggatttgc	ctgacacaa	tcacattggt	gggaggtcgc	2700
caccgaagac	agtttgggat	tatgttggca	aactcaagtc	ttctgtgtct	aaggagctct	2760
gtctgatccg	cttccacccc	gccacagagg	aagaggaggt	cgctatatc	tctctctact	2820
cctatttcag	cagccgtggc	cgctttgggtg	ttgtagctaa	taacaacagg	cacgtcaagg	2880
acctctacct	gatcccgtcg	agcgcgccag	acctgttcc	atccaaactc	ttgccctttg	2940
agggaccagg	taagcgccgg	ctttctgggt	ggaggtgagg	cccacctgca	cctgcacccc	3000
tctcccact	gacatgccct	gctgagtcct	gaccagccca	gggctctctg	ggagcaggag	3060
ttaggagcac	agacgcagcg	gttagcaata	ggattcatct	ttgagggcgt	aggactgtgg	3120
cacgagaagt	acccctgatt	cacagcataa	attgtcttag	gagagttttt	tagagaggga	3180
aaaaccacaca	gcctgcaacc	agctcatctt	ggcctcaggt	cagagaagac	tcagtgccca	3240
ggagcccaag	gctcagccag	aaagggagggt	gacactccca	gcggccctgc	tctttcctct	3300
agacagactc	gggagccagc	acacaccggg	aagtggctcc	atcagggate	acttctctaa	3360
cagggatgga	tttccaggag	acttaacaat	aatgacatag	aaaactattt	ctagaaataa	3420
ttattttaaa	atctgcagct	caaattgtaa	tagttcattc	atctttggca	agctattttg	3480
tgtttgcacg	ttccttggaa	agtactgtat	ttaaacgatt	atttataaat	agcctaaaaat	3540
acatctttgt	caagggttga	gggtgattcc	aggggccacg	tgctctgtta	gtgaccagct	3600
ctttcatagc	cccttagaag	aagctgatgt	gacttcagtt	aggggttagt	atctgatgcc	3660
caactgaagt	gtctccgtgg	ccatgcagtc	cccagaggat	tgggtgttctc	tcaaagcggg	3720
tgtgtggatc	acacagtgtc	ctctaaagtg	cttcgtcata	aaggcagggtg	ctgtctggac	3780
cctgtgcctc	agtgcctctc	gtccctgtca	ccaggcctcg	gcgggtgttc	ctgccatagc	3840
tgtgcagggt	gttcccaccc	acacccctca	tgcgcacccc	tagctagctg	gggtcctgta	3900
ggggccactc	cacatcttgg	gcgggacttc	tgtcgcccca	ggcacagccc	acgttcctac	3960
tggagcccat	tcttcacagc	tggagtgggc	tcagcctatg	cctgtgttgt	ggaattatat	4020
gtccataaag	ggattgggtg	gtatcagtaa	tttcagggtt	aaatatttgc	tggcgtagtg	4080

cattaaatta	tttttagtgcc	agataaaat	ttaaaagcaa	agtgccttag	tgtgtccct	4140
caaatcctac	ttgggataaa	gagatgccac	ctaattgggtg	gcagaaagga	ccctggtaga	4200
ggttcttgg	gttgcttgtg	aagagctctg	gccagctcca	cgtgaccagg	gagaggaaaa	4260
gcccggccct	cctggaggtg	aagaccgaga	agctggcctc	tccgcacctg	tgaagaccca	4320
ctggtcagtt	gcaagtgcga	cagtgtgtgc	actcagtgcg	gacactgcag	cacctcagca	4380
cctccctacc	ggggtgga	gagcactttt	tctttacaga	aacatgattc	ttagatagcg	4440
agcctcccct	ttttaaaaca	attgaagcga	tatttcaccc	tttcttgagc	ttctctccct	4500
gctcatctcc	aaacttgagg	ctgtcaggtg	agcacaggtt	gtaggggtgt	gagcgagccc	4560
cggcgcatgc	cgggcaccgg	gttccccaca	ctgggcagtg	acggggccca	gggaggccac	4620
cagaggagcg	gcgcctccat	tctccccaca	gcaagggtcg	gctgtgcagg	tgacgcccgc	4680
gggcagaggg	aaaggacagg	tctcccagca	cctcccggat	ggcaccggga	caaggagggc	4740
tgggtgggg	tactcacct	tgtctgtcga	gtgcgatggc	accaaccacc	cacactgtca	4800
gctccgcgac	cagctggggg	aacgtcacac	tcgcccacca	aggcacttgc	tgaggccacg	4860
acgcccctg	acggggacac	acaaaagccc	cagggacttt	gatccacgat	aaagagcaga	4920
ggcgtctggg	taaagtaaca	cagggcaagg	gactttagaa	aagtaacagc	tagtgaaacc	4980
tttccataca	cttcagaaat	gttttaactt	aagacttcag	tataatgtta	acttctcctg	5040
atgtccttgt	tgacatgaat	gcgtgtgcgt	gaaatctcac	acacttccat	ggtcactaaa	5100
cagccttcac	cccgggccag	gccatcgggt	actcggcccc	cttcacgtac	tgattacttg	5160
acttggcggt	ttctagatat	aaacatgtac	atgtgtgtcc	tggtcttgtg	gtgtaaattg	5220
gtagtgcgtg	tgcatgtgcg	cgcgtgtgtg	tgtgtaaggc	taggtcctgg	cacgtttccc	5280
ctgtctcagc	ggacctgtc	ctcacggaga	tagcccagaa	gcccttgga	agcacaggcc	5340
acacctgagg	gtgctgatgg	tggtgactcc	acagagctgt	ggtcaggggt	gagcatgtgc	5400
tgcgcagctt	ggagtcacgc	ccccagaagt	gctgggtgag	ggtctgcagg	accagctcc	5460
attccacagc	ctcagttctc	tgcggcacat	gcagcacagg	cctgaaggag	acctggcgcc	5520
ccagccttga	gctgcccgtc	tgcatcaggg	cactgatgtg	ggagcatctt	cccctgggga	5580
tgtaaaggag	aaggtcctgt	tgggggtaga	gattcacgca	gaaaagagtg	actgactcgt	5640
ccgtgtgcct	cagtttatac	cacacaattg	caggtgtcca	tgctccccc	acatggggac	5700
ctagtgggtt	ttgacagcgt	ggtgtccagt	cctagccccc	tcagtgttg	ctgttcacac	5760
ttaagcaagt	gaaggcctga	aggtgcccg	ctgtgccctc	aggggaaact	taagtacccc	5820
gccctgtcag	cacttgcccc	ttgtcgggca	gtgagagtgg	agctgcccc	gcagcaccc	5880
caggagccat	gcagttcaca	gcagtagctg	gatctccctg	aggacatttg	tccttgcata	5940
tcttaatgat	ttgtccacag	aaacaccggg	ttgtcttctc	ctgcccctct	gccccgcagt	6000
gggggcactc	tctgtaaactc	agcatcacag	tggggggcag	ctgggaggcc	tggttccagg	6060
tgaccttctc	cacctagatg	ttcacccccc	tcagttccag	ctttaccaac	agggcccccc	6120
gcaggaactt	ggggtcgcag	agtcccggcc	tgtctcaggg	ccttgttcat	ggaagggaga	6180
tgagtcaggt	tgaaagctca	tcgtgtaggg	ttctgtgcgg	ggcccttaca	ggactggacc	6240
gcagccaaga	tgctgcctg	ttaaccatgc	ccagcccccg	tcatttccgc	gtgaagccgc	6300
aggcctcgga	gccttggtct	gaaatgcctg	tggagtaacc	tcgggtccata	aacatgggtg	6360
cacagtctgt	tctccccaag	tacagggcag	gaggaaacac	cgccctctgt	agctgctcga	6420
atggaaagg	ctcttttctc	tgagggtctt	atacattaga	aagctcttct	gggaagaatg	6480
tttgaatcca	tagtgtcttt	ctgtattcac	ttttaattgc	tttctaaatt	agctgagaaa	6540
ttctgacttg	aaatattgtc	aggtaagcat	ttcttcagtt	ttcatgtgtg	tatgtaacag	6600
tagctttgca	tggaaattgt	aatcagagtc	aaatacagta	ttgaatggaa	tgtactgcct	6660
tctcctccta	aatcaataaa	catctttcat	gg			6692

<210> 4885
 <211> 684
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (5)...(215)


```

ggagagtggg ggtccagggc tgggtgctgct cttccctcag ctctgccggg gctctaaggt 1140
ccctctatatt atttctcaac cctggctggc ctctcaccag gagtttaggc tgaatgcctt 1200
ccacgtgatg gaggaaaagg ccaactctgt cctggctctg ctgtggcacc ccatcgcccc 1260
acagctcgtg ccttctcacc agattcccct gaatccaaac tcgtggtgca aacctctacc 1320
ttttttacaa aaagatctta ttgttaattt attgtttctg gcacttgggc aaacctgtgta 1380
gttaatactc ctcccacact agacactggg tttcaggagg agggagactg ccctgctttg 1440
gtcccagaga ggccctctgc agataggcgt ggccctctt cagaggacac taccctaggg 1500
cactttctct ttgagggtga gagacccata aagccttgac cacatcactc catatgggga 1560
ggagaaggat ccctgtcacc ttctcctctc ttcacggggc ccttttgtag ccctaggcct 1620
catctgtggg aagggaagtc ctggcttata ctgccccac cacagctcct tggcctggcc 1680
agaactgctg tcgaagaaaa tcaggccgga aggccaagaa ggcgctaagg gggatgggag 1740
ggcagggttt ccaggctgga gtcggttcca cccactcgcc tgtccacagg cttccttgta 1800
agcaagtacg cagcacagct actcacgctg ccatctggac ttattttatg tcaatctggt 1860
tataaataaa aaccaatata gataaaaaaa aaa 1893

```

```

<210> 4887
<211> 1319
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1320)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (231)...(437)
<223> similar to gi549986 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4887
ataaaatatt agggactttt cttggtagag atggaaatcc aaataaacgg aatgtgcaca 60
atgaaacatc tatgcatatt ttgtgtatgg gacctcaaat tatgatatct gaaggagccc 120
ttcatcctcg cttggcacgc cccacagaag atgatttcag aagagcagat tgtctgcaga 180
tggctctaaa atggaaagga gcaaaacttg accagggtga atatgagaga gcagctattg 240
atgctgttga taacaaaaaa aacacaccct tgcaactatgc tgctgcctca gggatgaaag 300
cctgtgtaga gcttttagta aaacatggag gagacttggt tgctgagaat gaaaataaag 360
atactccttg tgattgtgct gaaaagcaac accacaaaga tttggccctc aatctggaat 420
ctcaaatggg attctcacgg gatcccgagg ctgaagaaat agaagctgaa tatgctgcat 480
tagacaaacg agagccatat gaaggattaa ggcctcagga tcttcgtaga ctaaaagata 540
tgcttattgt ggaaactgca gacatgcttc aggcctcctc ctttactgct gaagctttac 600
ttcgagctca tgactgggac agggagaaat tacttgaagc ttggatgtcc aaccgggaga 660
actgctgcca acgatcaggt gttcaaatgc caactccacc accaagtggg tataatgcct 720
gggacacgct cccatctcca agaactccaa ggactacacg ctcttctgtc acctccccag 780
atgaaatcag cttatctcct ggggatttag acaccagttt gtgtgacatt tgtatgtgca 840
gtatctctgt atttgaagac cctgtggata tgccctgtgg acatgacttt tgtagaggat 900
gttgggagtc gtgagtatat gagcacctta gcatctctta ctgcatgata gcactctgat 960
ttgttaataa aattgtttgc ttccagtatt taatgatgca aattgtttat attgacttct 1020
gagttacaca gaaatgaatt tagactttac tagtaaggaa aaatattttt gtttttattt 1080

```

ttacgtcttc	cccagctatt	ttaattaatg	ctattttagct	taatgtaagg	tacctttaga	1140
aacaaagcag	gtatacaa	aatttttctt	agtattttag	tttatattac	atctaata	1200
aatttcaggc	aagaatcagt	ttgtcttata	tcccaggaat	cttaagcatt	tggttntgtg	1260
ctgtctcaat	tttttgtgac	aaccaaattg	ccttgaaaat	ctttaagaat	atagatggt	1319

<210> 4888

<211> 1586

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1333)...(488)

<223> similar to gi726395 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4888

tttttttttg	gtggttctca	aactgtgttc	ctagaagcat	cccatgtgcc	cccaggccaa	60
gaggtccagg	ttctaccccg	acccacatcc	cctgaatcag	agcagctttt	tttttttttt	120
aaaaattttg	atctgtttca	cacattatat	ttgtttgaac	ttcccatggt	taaaaatttt	180
gaagaaaatc	cctggagtag	acaatcccta	gagcactgac	atgctgtggt	ccaaggttca	240
ccaggaacag	tgcctgtgcc	ctgccacatg	gcgggggttc	ttcaagcctc	tggtgatgaa	300
ggtgctcagg	gaaaggagga	cggaggggcg	cgggaaggacc	cagccactgc	tggccaccct	360
ggcctctgct	ctgtgttcac	gggggagcag	actctgggga	ggcgccctc	ctcaccacgg	420
cctgcaggcc	gggctggagc	ctgcgccttc	aggggccttg	catctccagc	tggacccct	480
ggcacaggat	gtgctgcagt	agcccgttga	ccacatccag	agtctcgtcc	ttctccagca	540
cgatgtcata	ggagtccatg	tagcgctccc	gccgctcctc	caccttgtca	ttcaggaagc	600
caattttgag	aatgttctgc	acaccaggaa	ccccatcggc	catggtgagg	tccccgatag	660
agtctccag	caggatgaca	ttggttttgc	cctcaagttg	ctggaagtaa	ccacagttct	720
cacacgcaga	gctgttcttg	ttgtatgtgt	gtatgagctg	gcccttaaat	ccctggagaa	780
aaccatcttc	attaaaatcc	atgtagttag	acacgatgtg	gatgttgggg	tggaacactt	840
tcatctgtcg	gataatttct	tccaggatat	caccaatgcc	cgcagaaaag	atgaaaaggg	900
gaatgttggt	atggtagagt	gtgttggaaga	aggtcttata	tccctccctg	agcattgcat	960
tggactctct	aaccacctgg	gctatctgaa	acttctgaat	cttctgctga	cataggagat	1020
tgtgcgcttt	ggtccaccat	tccaccatat	gaggtagctt	ctccttgacg	gtccgggtgtg	1080
ggtcgatctc	aattgggtaa	tagtggtgaa	ggagcgctgt	gagctctttc	cgacactcct	1140
cactgatgat	cttgctatta	tccagaatat	tgtaagaaga	agggcatcgc	tttccattat	1200
atgcaaacct	gctcaaggtc	atgtcaaaat	cagaaatcac	ctgtaaccgg	tctccgccgc	1260
ccttgcgag	ggcgcccacg	atctcctgca	cccgcccagg	ctgccgcctc	aggaccgtgg	1320
ccttcacag	ggtgctcacc	tgtcccagaa	cccagagaga	ccactgaacc	ctgcgccacg	1380
ctgggcccga	ggggagcccg	gggctcgctc	gggcgcgcgt	gtgaggcggg	gccgggggtgc	1440
gcgagggggc	ggctactggc	ctgggtgaag	cggcggtgcc	tcggtgacca	gctggggggc	1500
tcgaagcgcc	ccgggggtcg	gagtcggggc	ccgccccact	ccggacgctt	cctccctcct	1560
cacctccaca	accatcccgt	tcgagg				1586

<210> 4889

<211> 5241
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (5242)...(889)
 <223> similar to gi2224553 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4889

tcttaattct	actccgaaaa	gaaaaattttt	taacagccag	ggaattgggg	ttggttttcc	60
cccttttccc	cttaaaaaatt	tttttttttcc	ccaaaagcct	taaatttttg	agggggggtg	120
ggcccataag	tcccccccc	aaaaaaaagg	ttcttttcca	aaaatcccaa	ggagggtttt	180
aaatggcccc	ccataaagaa	aaaaatttta	ccttgccaac	cccgggtaaa	attgggcccc	240
ccaagggttc	ttttaaaagg	gccccccctt	tttttttttt	tgtgttaaac	agctttaatc	300
tcgctcattg	cggcttctcg	gcacagtaag	aaatattgca	catgatcaac	atgttttggt	360
ctggggaagg	gggcaagggc	agggggaatc	accttcttag	aaagtacaac	ccaagttggg	420
agggcagagg	gggtgaggag	aaaaccctcc	ccgtgcctgt	ggcaaagtgc	aggagcccc	480
acccccaaac	taacctgagt	ccagcccctc	tggggaaaaa	aggggtgcat	gaactcccc	540
tattccacag	gcgcctccct	gtggcccaag	gcctgcacca	ccctccagct	tgacgcccct	600
acaggagcca	ttttgcataa	agtgaaaaagc	tctgaaggtc	acacgctcca	ggttatgtac	660
aggggcttgg	aggagggaga	ctgcccctgc	agcccctcag	ctgcccccca	gcaccgggag	720
ggagcttcga	gggaaggggg	tattttacaag	aggagcaggc	ctcattccgc	ccaaaactgg	780
agaggacgaa	atggctttac	ccgggaggag	ataaccttcc	tgccccca	tactgtccat	840
gtcctgaggg	ggtactataa	gtcctggcat	cttctcaggg	gtccctcacc	tgctgtggc	900
agctgtggag	ggacctgggg	gtggggggga	gggctgggga	gccccctccc	agccaggctg	960
tcagggcccc	gactctgggg	gtggaggcag	tggcggggca	gcctggggccg	tgccagagtc	1020
cgagctgggt	gaggtggggg	cagggccccc	tgcggggctg	ggagtggggg	caggggcagc	1080
agcggtgcca	gtggggggcg	gtacaggggag	aggagcctca	gctccagggg	gctgctccgt	1140
gggagtggca	gcctgcatga	tcttctggcg	cacctcacgg	atcttcaact	gcagacaaac	1200
cttgagggga	aagatgtctg	catagcgggc	ctggaaggcg	gctgtggcct	gggctgacgg	1260
gaagaagcca	tggctctgaa	agagctgcat	gaccaggggc	cggcgctggg	ccagggtgcg	1320
ccgcagggag	gagtatggca	ccttgtcata	ctctagctcc	ccaagcacgt	cctcggcttc	1380
tgtacctgta	cagtcaaagg	tgaagatgtc	cccctcgcac	ttggcactct	tgggggtgtt	1440
gggctccgag	ctgcagctgg	agcgtcttct	catcttgcgc	ttgggcgagg	tggggctctc	1500
gggtgctgaa	tccagggtccg	tggagtctct	cctcttcttg	cggtaaagagc	ccaggatggc	1560
ccgggggtgag	gtggccagag	actgcagggt	gggggagggc	agcacctcct	caggccgaaa	1620
ctcaggcaac	tcagcaaaagc	gctcttcgaa	gtccacttct	gacaggaccc	tggtgtccac	1680
agagtcaaa	gtcttcttca	ggggcggggg	ccgcaccttc	accttcttgc	cagtaccagc	1740
cgcctccttg	cgtccgggg	tgtccccggc	tgcccgccca	ctgctgctct	cgctgctgcc	1800
accaggggct	acagctggag	ctggggccgg	gctgggagga	gtgggaggct	ccccacgatt	1860
ctccaggccc	tgccaggga	cgcgccagtc	tgaagatgag	ctggggaatt	tgctggccat	1920
ggtctcaggg	cccttggcgc	tggctcgctc	ctcagcagg	gggggcagtg	gggggctgct	1980
ccggggccgtg	ggagtccagg	tctctggcag	gggtggaggg	gctggtggtg	tgggctgccc	2040
ctcaagctca	gactctgggg	cagttggctc	tcggactggg	ccaggctcca	gaggctgccg	2100
gggtgcaggg	ccaggccggc	cagaggcacc	tgcctcaaa	gacccacgg	gaatgctggc	2160
gatggctgcc	ttcactttct	ggggggcctt	cgggctgggc	cgctgggcct	tggggggccac	2220
taagctgtag	gtcatggaac	ctgctgtggc	gctggggaaa	gggctagtcg	gggctggggg	2280
ggcagtggca	ggggctggcg	ggcccttggg	cagaatggtg	gctgcagggtg	gggttgtgct	2340
ggtggccaca	gtgtagacca	ggcttggggg	ggcctgggat	ggctgggcca	gggggtgctga	2400
ggaggtgggt	gcagggtgct	cagagtaaaa	tgctgttatg	acaggacctc	cgggggctgc	2460
acaggcaggc	ggcagctggg	gactgggcac	aggtgacacg	cccacctgac	cgggagccag	2520
cagtggggct	tggcctgctg	agagcagggg	ctgcacgaag	gcggggccgc	tgggccccag	2580

cgaggtgaag	cctagagcta	cagagctcgt	gggcccgtac	gaggtgactg	ttccagcctg	2640
gctggacgca	gggctggtac	ccagggggcag	cgcggtgccc	cccgtgact	gcacataggt	2700
gattctggtg	gaggagggca	acaggacctt	ctgaggctga	gaggtgggtc	cagggagtgt	2760
ggctgggccc	aggggcgga	ccaggccgct	gggtgtgctc	acaggcaccg	gggtcagctg	2820
gatgatcttg	ctggggggct	gggcaccatt	ctgcacaggt	actgagaagg	gcgggctcac	2880
cagtggcagt	ggctggccgg	cccctccacc	ccgactgac	atgctagggg	cggccagagg	2940
cactaggacc	ttcccaggca	gcagctgggc	tgagccaccc	gggggcgggg	cctgcacggg	3000
agaaactgac	tgggctttgg	ggggtggggc	ggaggggtaca	gactgcagga	tggggatgcc	3060
aggagtgggt	gcagtggcag	ccaggacttt	gccgttggtg	gaagtgccc	gtgggaggg	3120
gaaacggatg	ctggtggtgg	gtgcagggcc	gctgggagcc	gctgccttgg	tcccaggggc	3180
tgggtgctgg	gcaggtgcca	cctgaagctg	ctggggcagc	gtgggcagga	tgtactgtac	3240
ctgggtgatt	cccccagcct	tgcccagggc	acctggttgc	aggatgccc	gggtacttgg	3300
ccattgggg	ccactcccag	cacctgtctc	tgagcccga	gtggtccac	caccaggggc	3360
cccctgggca	atgaactgga	cagcaggggg	cgcaggggcc	ccatacccc	gggtgcccac	3420
cagtaggtta	gtgacagtgg	caggcgccct	ccccacagt	cccagcagg	gtccagccac	3480
caagtgtggg	gctggtgagg	tggctgctgc	cgacttcttg	tccgaataca	ctaagctgac	3540
accagcggg	gagccccag	gcacccgaga	cccagtggcc	atttcagtcc	tggcacctgc	3600
tgtgtcattt	ggagacgcct	cagcccggcc	agaggtgggg	aagggttag	aggcgatgg	3660
cacaggagt	ctgctgacag	gccgcaccac	attggtgacc	atggtggcgg	caggacggga	3720
caggggagct	gctggggccc	cataggccag	tgatggggcg	ggggcgagg	gcactctggc	3780
tccgccgccc	tcttgctcct	ccttgtttgg	gggcagcacc	agtgtctgca	ggatgtttcc	3840
tcttccgctg	ggaggggccc	cgatgactga	ggggcctggt	ggctccaggc	caccacact	3900
ttcgggtctc	ttgcgcggga	aggtggcagg	atccattggg	aggaaccggg	ttgccttgg	3960
aggtgtcgct	ggacccccag	ccccaggggg	tgggggccc	agggggccc	ctgtgctgcc	4020
ctgaccagac	tcctgggcct	tgaaggttcc	tgagcccagt	gagaaggagg	tggctgccga	4080
ggctgaggag	gaagcaggcg	aggacgcaga	ggaggatggg	gcggaaccat	agcctttgcc	4140
aaaggctaca	ggaggatccg	ggggcccttg	gggctcagg	tccagtgggg	ggcggcagtg	4200
ggtaaaggag	gaacggatca	caggtgaaaa	ccccttccga	ccaaagccct	tgttgccctt	4260
tgggtcctcc	ccagagctgt	ccccactctc	gctgtcggtc	acccgtcct	tgcacttgag	4320
atcaatgtca	gtggtgccga	agccattgtc	agcaatgaca	tcatcatccc	cttcctctc	4380
acagatgacc	atgcgctcct	catcactcgt	catgtcctca	ctggccgcac	gctgagaacg	4440
agaagctcgg	gtgggcagca	gcgggggccc	cccagtggcc	gccaaggcac	ctccctcacc	4500
aggggctgca	aagggtcctg	gagctccata	ctgggtagaa	ggctttgggc	cagagtacga	4560
tgcaggggcca	gacaccatct	gcgtcagttc	ctgtagcgcc	tgactgtcta	cttctccgcc	4620
gtccaggctg	tgtacccgc	tgtgggagaa	agctcggggc	cgggctgagc	caggtcccc	4680
aactgtgtgt	agccgttctg	ccccacagga	gctgctcccc	ggagccttgg	tgtctgagct	4740
caggagtgtc	tgggctgcaa	cggacaggag	ctcagaggac	accccagggg	cagcagcagt	4800
gcccgtctcc	gacatgctcc	gctcccgcgt	ctccttgtgc	cctcctgcca	gccccaggct	4860
cgtgggcttg	gcctctgagc	tggacttctt	tgggtccttg	ttgcaccact	tccaatctgg	4920
gtgggccttg	aagtgggcct	ccttcacctg	gaaggccagg	tcgtggtact	tttgcttctc	4980
cttgggcccc	agggcatacc	accactcgcc	caggatcttg	ctgacggtcc	ggttgctctg	5040
gttgggatga	cgctggtgga	ccagggcccg	gtgccgcttg	ctgaagatca	tgaaggcatt	5100
catgggccgc	cggatgtggt	ccttctcccc	cttggtgggg	ctgcgtccat	ccttctcaga	5160
agatgagtc	cgttccttgg	gtagggcact	gagggactgg	gtccgacgtt	ttccgggcgg	5220
tagaggcaac	tggatctcag	g				5241

<210> 4890
 <211> 395
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(396)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (3)...(83)
 <223> similar to gil64386 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4890
 tcatgtctat gattgaccct ccccgggctg ctgtgccaga tgctgtgggc aagtgccgaa 60
 gcgcaggcat caaggctactg gcctcccatc ctcccctcca ttctagcctc ccccatgccca 120
 gagttcaagg agctgcagtg gctgctgccc tggaaaggcc caggccacgg nggcctcctt 180
 cccactgact caaagaagaa gctgtccatc tgcaaggaaa ggcccacccc tgccttgagg 240
 cactcaccct tatccctttt gctcagagag gccagtgtcc catgcccctc ctctccctcc 300
 ctggcacagc tctttgtccc atctgcatgt gtacccttcc attctgattt gaagcataat 360
 ctggcactcc tatcttgaag acctagtgtt cctaa 395

<210> 4891
 <211> 744
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (11)...(596)
 <223> similar to gi219867 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4891
 catcctggga acagtgtatc ttttgctgga gaaccatctc tgcgtgcaag agacggccgt 60
 ctctgtgtag agcttcatca tggagtcggc caatggctgg catgacatca tgttccagct 120
 ggagttcttt atgcccctcg gcatcatctt attttgctcc ttcaagattg tttggagcct 180
 gaggcggagg cagcagctgg ccagacaggc tcggatgaag aaggcgaccc ggttcatcat 240
 ggtggtggca attgtgttca tcacatgcta cctgcccagc gtgtctgcta gactctatct 300
 cctctggacg gtgcccctga gtgcctgcga tccctctgtc catggggccc tgcacataac 360
 cctcagcttc acctacatga acagcatgct ggatcccctg gtgtattatt tttcaagccc 420
 ctctttccc aaattctaca acaagctcaa aatctgcagt ctgaaaccca agcagccagg 480
 aactcaaaa acacaaaggc cggaagagat gccaatctcg aacctcggtc gcaggagttg 540
 catcagtggt gcaaatagtt tccaaagcca gtctgatggg caatgggac cccacattgt 600
 tgagtggcac tgaacaagca gaccaacaac actgaggaag atagagtggg gacttagaat 660
 taactcgtgc taaggggtcg ggggctttga aaatgccacc cccctttctt attgcaagac 720
 ggcttctcgc acatgaactg catc 744

00770" 5228460

<210> 4892
 <211> 1790
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (50)...(238)
 <223> similar to gi4884190 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

007270 "3228450

```

<400> 4892
gcgtcgacat tgaggaattc atggtaactt ctgaaaatTT aaccgaagaa taaaattaag      60
agcctcaaaa tcagtttcca atggaacagc taagcctgcc acttctgaga actttgatga      120
agatttgaag tgggtagaag aaaatattcc ctcttcattc acagatgtag ctcttccagt      180
gttagtggat tcagatgagg aaatcatgac cagatctgaa atggctgaaa aaatgttctc      240
ttcagaaaaag ataatgtgat tggaacccgt ataagaaatg tagttaagcc tgaaggacta      300
tccttcatca agactgaaaag tgagctttga tttgatattg cctaaaaaatt tttattgtgt      360
tatcttgga  gtctgtgat  caaaatgaag aattcagatg gtaggaggtt ctatagtcct      420
tttaaaagctg actcttgagt gtcagttgaa tatccattaa attggatttg gaaataacct      480
gaggaaaagta ttatgataaa gatctgcaca gatgcctctt agctgatagg tgggcaggcc      540
tgtgggtttg gggttctccc tcttttctct ggaacatatg acaattccag attaaagaaa      600
aatgtttttt aataaaatacc cttggtcttt cttctagtca cttttgaggt agatattgtg      660
attttctgga gtatagtata tccgtgtctc tgtgtcttag gtttactaga tgcaataata      720
cttctctttg acatttgtac tgaagtgatt tgatattaag ttaaacagtt aatgtttgaa      780
tattggcata tttatagggt ttttccgctc cccccaacc caccggtttt taaaaaatct      840
atacaaagcc cttgtttgag tctcatcatg cacatcaaat catggagtta ggtcttctct      900
gagctcaggg gaacacaagt gcacagagag agatgtcttg agggtcacta ccaaagaatt      960
accctcattg tccctcactc aggccatgtg tacatgcgat gctgctgagt gtgctggggg     1020
tgggtggtgg ccacgtggct ccccagagc acttcctaac tggcaagctg ggagacccat     1080
tactggtgaa ctttgtggaa attagaactg tatcttttac ataactcttg catattacat     1140
ttcataataa aaacatacat ttagttgcat gctacatcac tattgatttt ataattaatt     1200
tcttaagctt caaccatgtt ttatacctta tttcgttaca tcatatatgt gtaatgtgta     1260
atatggaaat cttttggcct taatgtcctt tttttaaaat gtagaatgtt ctaaacttga     1320
aaggcaattg aatgtagtat gatgaaaatg tgaatgtttt gctgctttca tgaccaaaaga     1380
tacagggcta gtggacattt agaataataa ttaaagctag agtcttgat gtcttttctt     1440
tgaaggagtt ctaaccttgt aaattgagaa tgacttcaga gaattttgat taagaaaaca     1500
ttaaactctt aaccggcaca aacactccaa ttttttttca ctgtggaagc cgcaagcaat     1560
tttttttttc tttttctttc aaaagcctgc cttctgaatt tatttcttgt ttactcatth     1620
cagagagggg agtaaaagaag atctatttct ggtagtcata tcgcttgaaa ggtattggta     1680
aaggggttgg cgagtcgtga ccatgtggaa agggaacagt gttggcagag attggggaga     1740
aaatcaggcg tgtcagggtg cccttgctgt gggatatcct tcctagggag     1790
  
```

<210> 4893
 <211> 644
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (2)...(145)
 <223> similar to gi3916257 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4893
 gaaaaaaaaa a 11

<210> 4894
 <211> 439
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(339)
 <223> similar to gi306785 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4894
 agtcaatgct gtcagttttt tcccaaatgg atatgccttc gccactggct ctgatgatgc 60
 cacttgccgg ctctttgacc ttcgtagcaga tcaagagtta ttattgtatt ctcattgacaa 120
 tatcatctgt ggaatcactt ctgtagcctt ctcaaaaagt gggcgctctt tgttggtctg 180
 ttacgatgac ttttaattgta atgtatggga cacgctaataa ggagatcgtg caggtgtcct 240
 tgctggatcat gacaaccgtg tgagctgctt aggtgtaact gatgatggca tggctgtggc 300
 aacaggctct tgggacagtt ttcttagaat ctggaattaa cagtgtccat acatatttgt 360
 tctccattga tatatctgga gaaatcaatg ctacagccta tagctgtgaa aaaattctac 420
 cttatatttg caggtgaag 439

<210> 4895
 <211> 2111
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2112)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (7)...(888)
 <223> similar to gi488196 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

001210"52483460

```

<400> 4895
cgagtagtga atcgcatgag ccgtttccag aaaagtgtctg gactggaaga gattgaacaa      60
gaactgacgt ctaagcaagg aggtcgctgt agccctgttc cagggctatc aagcagccct      120
tctgggtcac ccttgcatgg gaaactgaac agccaagact cctataacaa ttttaccacac      180
aacaaccctg gcaaccctcg gctctctcct cttcccagct tgatggtagt gatgcctctt      240
gcacaaatca agcagccaat gacattgggg accatcacca aacgaaccgg caaagttaaa      300
cctcctccac aaatttcacc cagcaaatacg atgggcggag aatttttgtt ggctgctatc      360
ttcggaaacat ccaggatcat gtttgcaaat aatgcagggtc tgaaaagaga aaaagatcag      420
tccaaacaag ttgtagttga gtccctgtac attatcagtt gctatggcac cttagtggaa      480
cacatgatgg agccgcgacc cctcagcact gcacccaaga ttagtgacga cacaccactg      540
gaaatgatga catcgccctcg agccagctgg actctgggtta gaacccctca atggaatgaa      600
ttgcagccac cgtttaatgc aaaccaccct ctgctcctcg ctgcagatgc agtacagtat      660
tatcagttcc tgcttgctgg cctggttccc cctggaagtc ctgggcccat tactcgacat      720
gggtcttacg acagtttagc ttctgaccat agtggacagg aagatgaaga atggctttcc      780
caggttgaaa ttgtaacaca cactggaccc catagacgtc tgtggatggg tccacagttc      840
cagttcaaaa ccatccatcc ctacaggcca accacagtta tctcatccag ttcattctgtg      900
ttgcagtctc atggtccgag tgacacgcca cagcctcttt tggattttga tacagatgat      960
cttgatctca acagtctcag gatccagcca gtccgctctg accccgtcag catgccaggg      1020
tcatcccgtc cagtctctga tccgaagggga gtttccacag tgattgatgc tgcctcaggt      1080
acctttgaca ggagcgtgac cctgctggag gtgtgcgagg gctggcctga gggcttcggg      1140
ctgcggcaca tgcctcccat ggagcacacg gaggaggggc tccggggagcg acttgccgac      1200
gccatggccg agtcacatnt agccgggacg tccgtgggatc cggaacagaa cttcagcgag      1260
aggggaagcat cgagactctg agtaacagct caggctccac cagcggcagc ataccaagaa      1320
actttgatgg ctaccgatct ccgctgccc ccaatgagag ccagcccctc agcctcttcc      1380
cgactggcct cccgtaggta ccagcaacct gcttctgact ggccagcccc ctcccctgct      1440
ggaggagggg agaagccccg ctctggctct acccttcagt ctctgctctt ccttcatcaa      1500
ccaccttccc caagcttagt gacagcagcc gcccatccta cctggatgga gaagagacc      1560
ttctccaagc acctcagcgc acttgccctc tgccacacct gtcgggtggag gctgtggcca      1620
ggagagactg tagaagctcg gtccctgtgt atgtttgcat atgacatcct gcattggatc      1680
cgcttttgta ttttttaacc ataccacgg tggggcgggg ggggggagcc tggaaacagtg      1740
accagatctg ggggcctgag tggggacaga gttgatcgtc cacctggcca ttttgaccct      1800
gagtggacag tcacagcctc agctcatgtc tggctgtgac acacactgcc cccagcttcc      1860
cttggtcagc cccactccag cagggggtga acggaggccc agagtactag ggaaggagga      1920
agggaggaca tgcctcttct tctcctttc tttcccatc tgttctctgg aagagtttgt      1980
ctttcttate ttaagcccc tttaccctgg tctgtactg atcagtgaag gaaaccgtgg      2040
ttactgaggc cctgttgaaa agtgcacgtc ttgtccaata aatcacgctg cagttgggtg      2100
ccaaaaaaa a                                                                2111

```

<210> 4896

<211> 1849

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1487)

<223> similar to gi5911314 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4896
atgcctcagt tactgcaaaa cattaatggg atcatcgagg ccttcaggcg ctatgcaagg      60
acggaggggca actgcacagc gctcaccgga ggggagctga aaagactctt ggagcaagag      120
tttgccgatg tgattgtgaa accccacgat ccagcaactg tggatgaggt cctgcgtctg      180
ctggatgaag accacacagg gactgtggaa ttcaaggaat tcctgggtctt agtggtttaa      240
gttgcccagg cctgtttcaa gacactgagc gagagtgtcg agggagcctg cggtctctcaa      300
gagtctggaa gcctccactc tggggcctcg caggagctgg gcgaaggaca gagaagtggc      360
actgaagtgg gaagggcggg gaaagggcag cattatgagg ggagcagcca cagacagagc      420
cagcaggggt ccagagggca gaacaggcct ggggttcaga ccaggggtca ggccactggc      480
tctgcgtggg tcagcagcta tgacaggcaa gctgagtccc agagccagga aagaataagc      540
ccgcagatac aactctctgg gcagacagag cagaccaga aagctggaga aggcaagagg      600
aatcagacaa cagagatgag gccagagaga cagccacaga ccagggaaca ggacagagcc      660
caccagacag gtgagactgt gactggatct ggaactcaga ccagggcagg tgccaccag      720
actgtggagc aggacagcag ccaccagaca ggaagaacca gcaagcagac acaggaggcc      780
accaatgacc agaacagagg gactgagacc cacggtcaag gcaggagcca gaccagccag      840
gctgtgacag gaggacatgc tcagatacag gcagggacac acaccagac acccaccag      900
accgtggagc aggacagcag ccaccagaca ggaagcacca gcaccagac acaggagtcc      960
accaatggcc agaacagagg gactgagatc cacggtcaag gcaggagcca gaccagccag     1020
gctgtgacag gaggacacac tcagatacag gcagggtcac acaccgagac tgtggagcag     1080
gacagaagcc aaactgtaag ccacggaggg gctagagaac agggacagac ccagacgcag     1140
ccaggcagtg gtcaaagatg gatgcaagtg agcaaccctg aggcaggaga gacagtaccg     1200
ggaggacagg ccagactgg ggcaagcact gagtcaaggaa ggcaggagtg gagcagcact     1260
caccgaaggc gctgtgtgac agaagggcag ggagacagac agcccacagt ggttggtgag     1320
gaatgggttg atgaccactc aagggagaca gtgatcctca ggctggacca gggcaacttg     1380
cataccagtg ttctctcagc acagggccag gatgcagccc agtcagaaga gaagcgaggc     1440
atcacagcta gagagctgta ttctactttg agaagcacca agccatgact tccccgactc     1500
caatgtccag tactggaaga agacagctgg agagagtttg gcttgccttg catggccaat     1560
ccagtgggtg catccctgga catcagctct tcattatgac gcttcccttt taggtctttc     1620
tcaatgagat aattttctgca aggagctttc tctcttttct tacctgcttt     1680
gcggtgcaga ccctctcagg agcagggaaga ctcagagcaa gtcaccctt tgactgaat     1740
tgtctcatc ttgggggggg tttcaggact atttttatct ctgacatctc tctattgcc     1800
catctaccct aatgcatcaa taaaacctta agccactgga aaaaaaaaaa     1849

```

```

<210> 4897
<211> 421
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (113)...(321)
<223> similar to gi212485 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4897
cggacgcgtg ggcagagcag catatctcca tcattggcat tcaccatcac tatgaagggc      60

```

```

ttcactgctt ttgccatcct tggcttagca gtcactgctt gggctacctc gccatatggg 120
acaaagagat caagaatttc aactcagaaa acttcatgaa ggtaaagtga ttcagtgtac 180
cagggtattct gaggcattgta ccatggacta cacacttcac tgtggatctg atggaaatgt 240
atattccaac agatgtacct ttgcaatac cgttgtgaag agccaagggtg caatttggtt 300
gaaaaattat ggattgtgct gaatctccct gatgcttaag gatatcaagt ctcctttggc 360
agattccact tagataacca gtttgtcttg gacggctgag gaggcaagca ataactctggt 420
a 421

```

```

<210> 4898
<211> 792
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(793)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (696)...(174)
<223> similar to gi3873871 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4898
tttttttttt ttctcggcac aaaagctcat gatttaatga ggaacagaaa caaaatctct 60
gattgttggt gtttcaaact tcattggcgt cctctggcaa gcacaagttg atccctctgc 120
agcttcaata cccttttagcc tgatgacagc ttcatTTaac agatcatttt tccttgatgg 180
aggtggcaag cgtaacagtg ttctgggcct gcttcagtaa tggcatgtcg atcatactcc 240
cttggaaggt aaaggccccc ttctctaatt gttgatgttc tttaaaggca gcaatcagtt 300
cttcagccca cttaattttt tcaggggaag gagaaaactg ctcttgacc acggcaattt 360
ggttagggtg aatcacctgc ttaccagtga agcccatggc ggctccttct cgtgactgtc 420
taagcagccc agctccatct cgaaagtcaa tgtacaccag atctacggct tggagaccaa 480
aggctttcgc tatgacaaca atcttttgcc gggcgtagag aatatccagg gtttctttac 540
tacttggtgc acctatgctg gctcgaaagt cttctcctcc aaaaacgact gcatctagaa 600
agagacctac ttgaggcccg accttcaggg ttctttcaca cactgcctta aaattgagca 660
aaccatttgc agtttccaca aaagggatta aattcattgg ttgttcaagt ttctggcctt 720
ttaagtggaa tgaaaatttg tctgcaaact aaaatcagaa gtgaattcgc gcacacaacn 780
taggtctcgc at 792

```

```

<210> 4899
<211> 3414
<212> DNA
<213> Homo sapiens

```

```

<220>

```

<221> misc_feature
 <222> (1)...(1192)
 <223> similar to gi386787 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4899

```

ggcaggaggg agggagccag aggaaaagaa gaggaggaga aggaggagga cccggggagg      60
gaggcgcggc gcgggaggag gaggggcgca gccgcggagc cagtggcccc gcttggacgc     120
gctgctctcc agataccccc ggagctccag ccgcgcggat cgcgcgctcc cgcgcgtctg     180
cccctaaact tctgccgtag ctccctttca agccagcgaa tttattcctt aaaaccagaa     240
actgaacctc ggacacgggaa aggagtcctgc ggaggagcaa aaccacagca gagcaagaag     300
agcttcagag agcagccttc ccggagcacc aactccgtgt cgggagtgcg gaaaccaaca     360
agtgagaggg cgccgcgttc ccggggcgca gctgcgggag cggggagcag gcgcaggagg     420
aggaagcgag cgccccgag ccccgagccc gagtccccga gcctgagccg caatcgctgc     480
ggtactctgc tccggattcg tgtgcgcggg ctgcgcgagc gctgggcagg aggcttcggt     540
ttgccctggt tgcaagcagc ggctgggagc agccggtccc tggggaatat gcggcgcgcg     600
tggatcctgc tcaccttggg cttggtggcc tgcgtgtcgg cggagtcgag agcagagctg     660
acatctgata aagacatgta ccttgacaac agctccattg aagaagcttc aggagtgtat     720
cctattgatg acgatgacta cgcttctgcg tctggctcgg gagctgatga ggatgtagag     780
agtccagagc tgacaacatc tcgaccactt ccaaagatac tgttgactag tgctgctcca     840
aaagtggaaa ccacgacgct gaataacacg aacaagatac ctgctcagac aaagtcacct     900
gaagaaactg ataaagagaa agttcacctc tctgactcag aaaggaaaat ggacccagcc     960
gaagaggata caaatgtgta tactgagaaa cactcagaca gtctgtttta acggacagaa    1020
gtcctagcag ctgtcattgc tgggtggagt atttgctttc tctttgcaat ttttcttata    1080
ctgctgttgg tgtatcgcat gagaaagaag gatgaaggaa gctatgacct tggagaacgc    1140
aaacctacca gtgctgctta tcagaaggca cctactaagg agttttatgc gtaaaactcc    1200
aacttagtgt ctctatttat gagatcactg aacttttcaa aataaagctt ttgcatagaa    1260
taatgaagat ctttgttttt tgttttcatt aaagagccat tctggcactt taatgataaa    1320
atcccattgt atttaaaaca tttcatgtat ttctttagaa caacataaaa ttaaaattta    1380
acatctgcag tgttctgtga atagcagtgg caaaatatta tgttatgaaa accctcgatg    1440
ttcatggaat tggtttaaac ttttatgcgc aaatacaaaa tgattgtctt tttcctatga    1500
ctcaaagatg aaagctgttt catttgtgtc agcatgtctc agattgacct taccaagttg    1560
gtcttacttt gttaatttat ctgttgtccc ctctctctcc tctgccctcc cttcttgtgc    1620
ccttaaaacc aaaccctatg cctttttagt ctgtcatggg gcaatttgtc tttggaaaat    1680
tcagataatg gtaatttagt gtatatgtga ttttcaaata tgtaaacttt aacttccact    1740
ttgtataaat ttttaagtgt cagactatcc attttacact tgctttattt ttcattacct    1800
gtagcttttg gcagatttgc aacagcaaat taatgtgtaa aattggatta ttactacaaa    1860
accgttttag catatctatc taatcagatc ttcttttggg aggatttgat gtaagttact    1920
gacaagcctc agcaaaccce aagatgttaa cagtatttta agaagttgct gcagattcct    1980
ttggccactg tatttgtaa tttcttgcaa tttgaaggta cgagtagagg tttaaagaaa    2040
aatcagtttt tgttcttaaa aatgcattta agttgtaaac gtctttttta gcctttgaag    2100
tgccctctgat tctatgtaac ttgttgacga ctggtgttaa tgagtatatg taacagttta    2160
aaaaaaaaagt tggattttta taagcacaga caattctaag ggtaactttt gtagtcttat    2220
gaatagacat aaattgtaat ttgggaacat aaaaactact gaataaatca tgtggcctaa    2280
tattgaaaat gtcactgtta taaattttgt acatttttga tcaaatgtac atctcccctt    2340
tgctaacggc cgtctgctct cagggttgacg tgggtttgat ttctaagtgt ttcacagtgt    2400
ctgtaaatca agaccaaaga gcctgtcgat gagactgttt attaccagat tcacttctga    2460
attggccaga ggaaatctga atgtattatc ctgtgtgtgt ctaggtagag atattggaag    2520
gctgccaggg gatttcgaag tttgcaacct ttataggata actgatggca atattaagac    2580
agacgcctgc ttttgcaaat aacttacaag actgtaaatt ccaaagatct gaatggggct    2640
ttcctgatgt tggatatctaa ggcttaggcc tatagattga tttacctttg gaattgtgct    2700
ccaaatgtct actgaagctt aaccgaagaa ctaataaatg gactacagta gctcacgtta    2760
cagggaaacca ccctaggcag ggaggctctg tgtgttaaaa tgagggtctc actgctttag    2820
gattgaagtg gctggaaaga gtgatgcctg ggggaaggaga tggagttagt agggtagtgt    2880

```

0948373E.013100

```

ggctgtgact ttctgtacta aacatttcct ttttctatct taccactaat tttctttttaa 2940
actgtgagcc gtccaagtca gaagaagaca gcaaaaaaag caacttttcc aacatacaat 3000
ttactttttaa taaagtatga atatttcatt ttgagaacat tccctggaat tgccacataa 3060
ttcattaaaaa acattttttt aagcaacact tggaacagtgt tttacttttaa atccttaagt 3120
gccttaatta attctcagat tcctgccccca tcacttacag aaccaattca ctttagagtgt 3180
actaaaagga aacgatagcc tagcttttcta aagccacgct gtgtccctca attacagagg 3240
gtaggaatgg gtatacctct aactgtgcaa agcagagtga aattcaattc atagaataac 3300
aactgctggg aatatccgtg ccaggaaaag aaaaatttct ggcaaattt ttgtcactgc 3360
tgtaaaagcaa aatattttgtg aaagtgccaa aataaaagtct gtcatgccaa aagt 3414

```

```

<210> 4900
<211> 1463
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (145)...(702)
<223> similar to gi3928000 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4900
cgtgtgctcc tcacattcac gcagactgag actgagctgc ccgaggaaga gtgtgaaggc 60
cccaagctgc ccaccgaacg gccctgcctc ctggaagcat gtgatgagag cccggcctcc 120
cgagagctag acatccctct ccctgaggac agagagacga cttacgactg ggagtacgct 180
gggttcaccc cttgcacagc aacatgcgtg ggaggccatc aagaagccat agcagtgtgc 240
ttacatatcc agaccagca gacagtcaat gacagcttgt gtgatatggg ccaccgtcct 300
ccagccatga gccaggcctg taacacagag ccctgtcccc ccagggtggca tgtgggctct 360
tggggggcct gctcagctac ctgtggagtt ggaattcaga cccgagatgt gtactgctgt 420
caccagggg agaccctgc ccctcctgag gagtgccgag atgaaaagcc ccatgcttta 480
caagcatgca atcagtttga ctgccctcct ggctggcaca ttgaagaatg gcagcagtgt 540
tccaggactt gtggcggggg aactcagaac agaagagtca cctgtcggca gctgctaacg 600
gatggcagct ttttgaatct ctcatatgaa ttgtgccaag gacccaaggc atcgtctcac 660
aagtcctgtg ccaggacaga ctgtcctcca catttagctg tgggagactg gtcgaaggag 720
cattcaatgc aagaggacaa tggagcagga tctacacaat tctaaagaaa agcaagcatg 780
actcaaggat ttcctcttca tcctgtgttc ttcatgtaga gagacagcag agaggcagtc 840
agagaatact gtctgataag cccttgaaaa agctgtaggg ccaagatgag atacagagat 900
gactcaaaac agagaatcca ggaatgcata gatcctggta aaaaagggtg gagatgagta 960
ataaattcat ttgtgttaga ttaagactaa tcaactaaca attatattat agaacataac 1020
ataaatatca gaaatcttga cattatctaa ataataaaat gaaaactaat tgagatttgg 1080
agagatgagg tagatgatag agtttggtgt tgtccccacc caaatctcat attgaattgt 1140
agctcccata atccccatgt gttgtgggag ggacccagta agaggtaatt gaatcatggg 1200
gatgggtttt tctcactactg ttcttgtgac agtgaataag tctcatgaga tatgatgggt 1260
tcataaaggg cacttcccc tgcacacgttc tcttgcttgc cagcatataa gacataacta 1320
cataactttg ctctcctttt gccttctgcc atgattatga ggccctccca ggcatgtgga 1380
actgagtcaa ttaaacctct ttttctttat aaattaccca gtcttgggta ttgcttcata 1440
gcagtttgat aatgaatgaa tac 1463

```

<210> 4901
 <211> 1330
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (200)...(633)
 <223> similar to gi2996196 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4901
 cttctcacca ccacctcta gcagctccct cactggagag gcggccatca gccgcagctt 60
 ccagagtctg gcatgttccc cgggcctccc cgctgctgac cgctgtcct actcaggccg 120
 ccctggaagc cgacaggccg gcctcggccg cgctggcgac tcggcgggtg tgggtgctgcc 180
 gccttccccg ggccctcggt cctccaggcc cagcatggac tcggaagggg gaagcctcct 240
 cctggacgag gactcggaag tcttcaagat gctgcaggaa aatcgcgagg gacgggaggc 300
 cccccgacag tccagctcct ttcggctcct gcaggaagcc ctggaggctg aggagagagg 360
 tggcacgcca gccttcttgc ccagctcact gagccccag tcctccctgc ccgcctccag 420
 ggccctggcc acccctccca agctccacac ttgtgagaag tgcagtacca gcatcgcgaa 480
 ccaggctgtg cgcatccagg agggccggta ccgccacccc ggctgctaca cctgtgccga 540
 ctgtgggctg aacctgaaga tgcgcgggca cttctgggtg ggtgacgagc tgtactgtga 600
 gaagcatgcc cgccagcgct actccgcacc tgccaccctc agctctcggg cctgagcccg 660
 ccatgccctc agcctgcctc actgctgggc cagggctcat cctatataag ttggcatggc 720
 agggacaatg gtgggcagtt gctcttacat gagctaagtt tggagacctg agggcccttt 780
 gtccctcgctg ggtgggcca ggtctgggac ctgtcttggg ctgtgggaga ctcacctca 840
 ccttgccagg cctctcccct gcaggactgg cattgcacta gtctgagggt gccactgcct 900
 ttgatcaacc tttgtgtgct aggggtctaag tagggctgaa cacagaagtg ggaaggagag 960
 ggggtgggcca ggggctaata gtgtcactgt gtaaagtttt tgacatacta gctctataaa 1020
 tatatgaata tggacaaaaa aaaaaaaaag gggggggcgt tttaaaggat ccttgggggg 1080
 gccaaagtgt acgcgggctt gcaacgtcat agttttttcc ttataggagg tcgaattata 1140
 acctacctgg gaatttttgg aaaggaccct tatttttggg gggggacata ttgggacaaa 1200
 ctccctacag aaattaaagg ctttagggaa aatataaaat tttaaagggg ataaggggta 1260
 aaacaacctg catatgctgg ctgtttgaaa gttttgctaa cggagtttga tttatgaaaa 1320
 ttttatcccg 1330

<210> 4902
 <211> 738
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (15)...(372)
 <223> similar to gi2232174 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 4902
ggaattcggc ggccgacctg gccatctttg ccctttgggg gctcaagccc gtggtctacc      60
tgctggccag ctcccttctg ggcctgggccc tgcaccccat ctcgggccac ttcgtggccg    120
agcactacat gttcctcaag ggccacgaga cctactccta ctatgggcct ctcaactgga    180
tcaccttcaa tgtggggtac cacgtggagc accacgactt cccagcatc ccgggctaca    240
acctgccgct ggtgcggaag atcgcgcccc agtactacga ccacctgccg cagcaccact    300
cctgggtgaa ggtgctctgg gatcttgtgt ttgaggactc cctggggccc tatgccaggg    360
tgaagcgggt gtacaggctg gcaaaagatg gtctgtgagc ccgggctgcc tcctggtggt    420
ggccattgtc ccccatcggc ccctcagcct tgcaccccag cactgagaag ctacatttcc    480
ttcctgtgct ctggactgct gcccttgtcc ccgaggagtg tcccgcgag ccacacctgg    540
caacagcagt gtgggctgca gggctccgtc tgcacgtgga cttgccctgg accttgagtg    600
tggccctccc tttctgggcc tccccagggt aggcctggcc ctgcccacc atgacctggg    660
tgctctgagc ccacgggtcc cacggagctg acttctccgg ggtgcctgtg ccctacatta    720
aaccggcgct ttgtttca                                     738

```

```

<210> 4903
<211> 2299
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (196)...(1235)
<223> similar to gi5596646 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4903
agcatggagg ggcttgccctc tgttcatatc tcttgccctct gttcatttct tttgggtccc      60
ctttcctcct tttccctcca tccactgta agcaatttag tgggattcag tcattaaaag    120
ggtattaggc tgaatatgtc aagcgtgcc caagcccagg gtggttctca caggatcccc    180
actgtccctg tccccagga accaaacgcc aacagtgtag cttggaacac ccagtgtgag    240
gacatgctct gcttctcggg aggaggctac ctcaacatca aagccagcac cttccctgtg    300
caccggcaga agctgcaggg ctttgtggtc ggctacaatg gctccaagat cttctgcctc    360
catgtcttct ccatttctgc cgtggagggt cgcagtcgg ctcccatgta ccagtacctg    420
gataggaaac tgttcaagga agcctaccag attgcttgct tgggtgtcac agacactgat    480
tggcgtgaac tggccatgga agcgtagaa ggttttagatt ttgaaacagc aaagaaggag    540
aggaagaagc ggggagagac caacaatgac ctgtttcttg cagatgtgtt ttcctaccag    600
gggaagtccc atgaggccgc caaactgtac aagaggagtg ggcacgagaa cctcgcgctt    660
gaaatgtata ccgacctctg catgtttgag tatgccaagg atttccttgg atctggagac    720
cccaaagaaa caaagatgct aatcaccaaa caggctgact gggccagaaa tatcaaggag    780
cccaaagccg ccgtggagat gtacatctca gcaggagagc acgtcaaggc catcgagatc    840
tgtggtgacc atggctgggt tgacatgttg atcgacatcg cccgcaaact ggacaaggct    900
gagcgcgagc ccctgctgct gtgcgctacc tacctcaaga agctggacag ccctggctat    960
gctgctgaga cctacctgaa gatgggtgac ctcaagtccc tgggtgcagct gcacgtggag   1020
accagcgct gggatgaggc ctttgctttg ggtgagaagc atcctgagtt taaggatgac   1080
atctacatgc cgtatgctca gtggctagca gagaacgac gctttgagga agcccagaaa   1140
gcgttccaca aggtgggag acagagagaa gcggtccagg tgctggagca gctcacaac   1200
aatgccgtgg cggagagcag gtttaatgat gctgcctatt attactggat gctgtccatg   1260

```

cagtgcctcg	atatagctca	agatcctgcc	cagaaggaca	caatgcttgg	caagttctac	1320
cacttccagc	gtttgcgaga	gctgtaccat	ggttaccatg	ccatccatcg	ccacacggaa	1380
gatccgttca	gtgtccatcg	tctgaaact	cttttcaaca	tctccaggtt	cctgctgcac	1440
agcctgcccc	aggacacccc	ctcgggcatc	tctaaagtga	aaatactctt	caccttggcc	1500
aagcagagca	aggccctcgg	tgcttacagg	ctggcccggc	acgcctatga	caagctgcgt	1560
ggcctgtaca	tccctgccag	attccaaaag	tccattgagc	tgggtaccct	gaccatccgc	1620
gccaaagccct	tccacgacag	tgaggagttg	gtgcccttgt	gctaccgctg	ctccaccaac	1680
aaccgcgtgc	tcaacaacct	gggcaacgtc	tgcatcaact	gccgccagcc	cttcattctc	1740
tccgcctctt	cctacgacgt	gctacacctg	gttgagttct	acctggagga	agggatcact	1800
gatgaagaag	ccatctccct	catcgacctg	gaggtgctga	gaccaagcg	ggatgacaga	1860
cagctagaga	ttgcaaaaca	cagctcccag	attctgcggc	tagtgagac	caaggactcc	1920
atcggagatg	aggacccgtt	cacagctaag	ctgagctttg	agcaagggtg	ctcagagttc	1980
gtgccagtgg	tggtgagccg	gctggtgctg	cgctccatga	gccgcgggga	tgtcctcatc	2040
aagcgatggc	ccccaccct	gagggtggcaa	tacttccgct	cactgctgcc	tgacgcctcc	2100
attaccatgt	gcccctcctg	cttccagatg	ttccattctg	aggactatga	gttgctggtg	2160
cttcagcatg	gctgctgcc	ctactgccgc	aggtgcaagg	atgaccctgg	cccatgacca	2220
gcatectggg	gacggcctgc	accctctgcc	cgccttgggg	tctgctgggc	tgtgaaggag	2280
aataaagagt	taaactgtc					2299

```
<210> 4904
<211> 1083
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1007)...(458)
<223> similar to gi201910 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	4904						
ttttttttttg	gagttcataa	aatctttttcc	gagccagcgg	tatgcagcca	gagctccaaa		60
gttcaaaggc	attgccgttg	ggttcaagtg	cccccaagg	ctgttgctca	gtcacagctt		120
ccagagcttc	cttcccacca	cactgccagg	agctgccaga	gccccatgc	agcccctgac		180
cccagttccc	tcccaagtcc	cagggcctga	ccctggatat	ctggggcaag	gtgctcggga		240
catagataag	tgaaatggtg	tgcagaggcc	cagtggagag	tcacatctcg	gtctcagcca		300
acagactgtc	ccctagtcct	gacgtcatta	gcaccatctg	agagctggga	tcgctggggc		360
acatccagga	gctgctgcct	ctctggtggg	cagcaggctc	ccgccctctc	tcccatctct		420
tggtggttgg	cagccctctc	tgccacttcc	tctctctctc	ctccctcaga	gaggaggtca		480
cagatctgtt	gctgcagctc	tgggctaata	ctgttctcag	ccaacaccag	gctccgcaaa		540
gctgtggggt	aattttctac	catgtccagc	agggctctgag	ctgactgggt	ggtgagccct		600
gtgccctcca	agtctaggac	ctctagggta	cgactagagg	ccacagctac	agccagcatt		660
cctgccacat	ggtcaccag	ggggttgtaa	tccagattga	ggacgcggac	ctgggagctg		720
tgggccacgg	caatggcaag	gcggctccag	cccttagggg	tgatgccagg	gttggcactc		780
agcgttagct	ccttcaagcc	agatttggcc	ccatctgggg	gcaggaggcc	acagatgagg		840
ttgatggctt	catcaccag	catgcagtcc	cccagggtcca	gagccacgag	ggcagggttg		900
agggccagg	ctgggttcag	caaggccagc	ccgcacatctg	tcagggggct	cccatgcagg		960
aagagggact	ggatggagcg	gttgggtccgc	agagcctcag	ccagctgctt	gatgcggctg		1020
gggctggaca	cgacgcccag	gttaagggtt	aggaattcca	ccgctctgca	aatgatctca		1080
att							1083

<210> 4905
 <211> 2723
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2518)...(2261)
 <223> similar to gi5410249 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

094937335 "043100

```

<400> 4905
ccactatatt tgtaaaagtt atgtgattgt atgactacag ctcttctgtg gtacctacag      60
gttgatacaa atcattaaaa atcaaaacat caacgtatct aagaaccaa tggtgcatgt      120
gactccccgg agaaggatat atatgccatg ttgccacttg aaggagaatc ttccaggcat      180
caaatcccggt ggatttctctt attttctttc acattccctc tgcttttcct cacagtcggc      240
taccacgctc tgaggagccc cgtgccatct ccatttcccc catccctttt tcactttgcc      300
tcacaccagt caaatccaaa tatccgagag tcagacactg ggagactgtc tgcttcttgg      360
gcaactccca ggtggttatg atacgcttcc cggaccgcaa cactgacctc cggaactgaa      420
atgatgaatt catgtcagaa gaaataggat ttggggaaga attcattacc tggaccattt      480
tcagcagctg gaataaaaaag tacttaacaa caacaacaaa aatcacacac aaagtccaaa      540
aagtgttttg aaaaagtgtc ttgagaattt actgtacagt ttttttaaac aatttattta      600
tatgttggct tctacatgct cttacattcg tgtaaaacat ttatacatat tctttacaat      660
ttgtacatat attaaatggc tatagcataa acattgttct atgggatttt atagaagaaa      720
aatcaagtgg ggagaattac ttatgaaaca ttaacaaaaa cccgtgatat tgaagaacaa      780
gatgttctca tattcatttg atttcatcta cttatttttg gtgtcatttt attgatgctg      840
gccagactt tccatttccc gtaattatta ggtcagaaaa atgaaagcag cgggagggaa      900
cgcgtaagg cacctgtggg agacgggagc gctcctccgc aggggtgaga cgggtggctgc      960
cagtgttgag ttcgagctga cgggtgtgcca aggtcctgtt ttgctttatg ccgttaagtg     1020
aagcgtgga agtgctggtg ctcagaaaca ccctgtgtga agtttcggat gtagtcagga     1080
agggcgctgg tctgttcttt ctctccaacc tcagagcgcc ggggactctg tacactgctg     1140
aggctgcagc ccttctcagt ccctacactt ttccatctaa tggggagcta acctgtgctt     1200
tttctctttg ctgatgacac caactggcca tgaaccgccc acccaagcca agcagtgtgc     1260
cgtggccaca gcagcgcttc tcatcacggt ggatgaggag ccaaagaata agaaagggcc     1320
agagacgccg ggggtgctggg tgccctcctt cccccaggcc ctcccgaaca caggcctccg     1380
cacagccact caccggttg accaaagcca caaaattctc tacaaagtc ctcaattctt     1440
ctaattgtatt cttcatggca taaaacatgc cttaaccaag attaggaagg aagtgc aaag     1500
agagaaagca ctggtcctca cataagagca gcacatcaga aatgtcgctg aggacatggg     1560
tggccagggg tatctgctca tctgccccag gcctgtgggg tcccccttg aggacatgg     1620
ggatggcccc acctggcca cacaccacg atgggacta gcagccccc ggggcccccc     1680
accgtccctc cctcttgaa gtgtaagcac ttgaagctgt gaactgtggc agtgaaagggc     1740
gtaacgactt ccctcaatga caggagcccc agaggactga aaggagtat aaaaatatac     1800
aaacatagat attttttatt ctggcatagt tcatgttttt aagaaagtaa ttagtaatta     1860
attatctgac actgggtaag aactggaaga ttgtgggaga cttataaatt atataagact     1920
tataatttat aagacatata aattatgact ctatgtaaaa tatcagtggg gagaaacccc     1980
tcattttcca ttgaaaattc tggtaacttt taagtacttt caaaaaatag agacaatttc     2040
cactggttta aataatggat gcggaaatga acaaaagacc atccctaaat aactgacgca     2100
tttaggggtg ctaataaaaat aaatgcagtt ttttgcaact ctttcttttt ggttttgttt     2160
cctttttttt ctgaataata ggggaaaaaa agttttgaat tgcattgccc caagtcagga     2220
  
```

gaaagcacgc	ggcattctct	tcaaggcccg	ttctgtccta	catcactgga	aagcggtga	2280
gggcctgcct	cagcttttct	gcaatcgttt	cgtaaaattg	cacttgctgc	tccaggtaca	2340
ggcggatgac	actgttgtaa	tcatagatcc	ggttactgtg	aaagtgattc	atctcagctt	2400
gcaacgcgta	agacatgatg	ctgactctct	tcaccatgtt	ctgtttgtct	tgtaggggtga	2460
ttttacttgt	tgcaactagt	ttgtcacttt	ctttcacttt	ttctattgct	ccctgtgaaa	2520
tataaaatgc	agcagtatga	ataaagctga	aatgattagt	cattagttta	aaatataaca	2580
atgctaatat	attctataac	tgatttgctg	ctgaacagga	aataacctcca	caaaataaga	2640
agagaggaaa	gcatctaaat	ttaacttcct	tcaagtcctt	ggaagcaaaa	ggtgaattcc	2700
tccgctaggg	catcgaactc	gag				2723

<210> 4906
 <211> 2693
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (664)...(1218)
 <223> similar to gil710175 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4906	
gcggccgcgcg	gctgcatggg cagcgcccg gccccgcgcg tgagccgtcg cggagccgcg 60
cagccctcgg	agcacgccc tgcagcctgc caggactctt ccagacacgg gatttgcgg 120
tgaacaacgc	agagctgatg cagacataat atatacagcc ctgcacctgg gacacacttc 180
cattggattt	aaaagacagt cctcgtcagc actgactttc agctatggaa tcgcagacgg 240
ttgatgatga	agcgccggcc gtgtaaataga agatcgagtg aggagcagga cgatgccccaa 300
gggtaggggtg	cccttaaagc cccccaaaca ggaagagctt tccccctcagc agcgaccatg 360
gtggagaacc	agcctgggaa aaaagataaa gataaagttt ctctaaccaa gacccccaaa 420
ctggagcgtg	gcgatggcgg gaaggaggtg agggagcgag ccagcaagcg gaagctgccc 480
ttcaccgcgg	gcgccaatgg ggagcagaag gactcggaca cagagaagca gggccctgag 540
cggaagagga	ttaagaagga gcctgtcacc cggaaggccg ggctgctgtt tggcatgggg 600
ctgtctggaa	tccgagccgg ctacccccctc tccgagcgcc agcaggtggc ctttctcatg 660
cagatgacgg	ccgaggagtc tgccaacagc ccagtggaca caacaccaa gcacccctcc 720
cagtctacag	tgtgtcagaa gggaacgccc aactctgcct caaaaaccaa agataaagtg 780
aacaagagaa	acgagcgtgg agagacccgc ctgcaccgag ccgccatccg cggggacgcc 840
cggcgcatca	aagagctcat cagcgagggg gcagacgtca acgtcaagga cttcgcaggc 900
tggacggcgc	tgcacgaggc ctgtaaccgg ggctactacg acgtcgcgaa gcagctgctg 960
gctgcagggtg	cggaggtgaa caccaagggc ctgatgacg acacgccttt gcacgacgt 1020
gccaacaacg	ggcactacaa ggtggtgaag ctgctgctgc ggtacggagg gaaccgcag 1080
cagagcaaca	ggaaaggcga gacgcccgtg aaagtggcca actccccac gatggtgaac 1140
ctcctgttag	gcaaaggcac ttacacttcc agcgaggaga gctcgacgga gagctcagaa 1200
gaggaagacg	caccatcctt cgcaccttcc agttcagtcg acggcaacaa cacggactcc 1260
gagttcgaaa	aaggcctcaa agcacaaggc ccaagaaccc agagccacag aaggccacgg 1320
ccccgtcaa	ggacgagtat gagtttgatg aggacgacga gcaggacagg gttcctccgg 1380
tggacgacaa	gcacctattg aaaaaggact acagaaaaga aacgaaatcc aatagtttta 1440
tctctatacc	caaaatggag gttaaaagtt aactaaaaa taacacgatt gcaccaaaga 1500
aagcgtccca	tcgtatcctg tcagacacgt cggacgagga ggacgcgagt gtcaccgtgg 1560
ggacaggaga	gaagctgaga ctctcggcac atacgatatt gcctggtagt aagacacgag 1620
agccttctaa	tgccaagcag cagaaggaaa aaaataaagt gaaaaagaag cgaaagaaag 1680


```

ggaggttgtg gtgagccgag attgcacctt tgtactccag cctgggcaac gagcaaaaaa 1260
ctctgtctca aagaaaaaaa aaa 1283

```

```

<210> 4908
<211> 4159
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (4160)...(1309)
<223> similar to gi5725506 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4908
tttttttttt ttccaaaagt gttcttttag tttctaggta acatatagtt gtataaatac 60
tctatttttta tatgcacttc cacaaaaagcg atataattaa aaagtttttt tcattagaaa 120
taaagtgtata aaaataaata tggtattata ggcattttatt actaactata gtccttcttg 180
gaaggaacac ccaaaccaat acttataaaag tacatgtaat ttatagtaac atatttttact 240
atatacatat ggaaaaaatc atattctcac agaagagctg aacagacatt caccaggata 300
cgactgttgg accagctgct ggagatggac ctgctacccc tcagcagcct ccccaccaca 360
agacaagtga tctcaatgtc cccaaacctg tgggaccctg ttctacacac ctcatTTTTTg 420
ttccggcggt tcatcctcct tgtgtgattg tactgatttt catgagacac aagttacttc 480
tttacaacca tattcccaaa gcagggttac atggtaggaa agaaaggaag ttggagggtac 540
taagctcatt gtgtctcctc tagcttttac cagcatctaa tgcttcactg ctttttttcc 600
attgtagact ttaatgcact tgaataaata catggagttg ttttttctc aaaatgaatt 660
acacaaataa agactgagat ggtccaaaaa aggaaagagg aagccatttg cgttatttca 720
cgttgctgag cctttctctc atgttgaaca atctgaagtt ttaattctcg gtagaaataa 780
tgtataaaca ttctctgaaa ccatagcagc cataaacagt gctggtcaaa gatcctatTT 840
gtactccttt cccccccat tgtagtgag gtaaagtaaa acaggtctta gtaaaatctc 900
acttttctcc tacttttcat ttcccaacc ccatgatact aagtatttga taagtaccag 960
gaaacagggg ttgtaaatagt tctaactttt ttgacaatt gctttgtttt ttctaaactt 1020
gtaatagatg taacaaaaga aataataata ataatgcccg gggctttatt atgctatatc 1080
actgctcaga ggttaataat cctcactaac tatcctatca aatttgcaac tggcagttta 1140
ctctgatgat tcaactcctt ttctatctac ccccataatc ccaccttact gatacacctc 1200
actggttact ggcaagatac gctggatccc tccagccttc ttgctttccc tgcaccagcc 1260
cttcctcact ttgccttgcc ctcaaagcta acaccactta aaccacttaa ctgcattctg 1320
ccattgtgca aaagtctatg aaatgtttag gtttctttta aggatcacag ctctcatgag 1380
ataaaccccc tccatcatgg gacagacact tcaagcttct ttttttgtaa cccttccac 1440
aggctcttaga acatgatgac cactccccca gctgccactg ggggcaggga tggctctgcac 1500
aaggctctggt gctggctggc ttacttctc ttgcacactc ggaagcaggc tgtccattaa 1560
tgtctcgga ttctaccagt cttctctgcc aacccaattc acatgactta gaacattcgc 1620
ccactcttc aatgacccat gctgaaaaag tggggatagc attgaaagat tccttcttct 1680
tctttacgaa gtaggtgtat ttaatttttag gtcgaagggc attgccaca gtaagaacct 1740
ggatggtcaa gggctctttg agagggttaa agctgcgaat tctttccaat gccgcagagg 1800
agccgctgta cctcaagaca acacctttgt acataatgtc ttgctctaag gtggacaaag 1860
tgtagtcacc attaagaata tatgtgccat cagcagcttt gatggcaaga aagctgccat 1920
tgttcctgga tccctctggt ttccgctggt tcaacttcgat gttggtggct ccagttggaa 1980
ttgtgatgat atcatgatat ccaggttttg cactagtaac tgatcctgat atttttttac 2040
aagtagatcc atttcccccg caaacaccac atttatcaaa cttctttttg gagtctatga 2100

```

tgcgatcaca	accagctttt	acacactgtc	cttgacacaca	gacagaggtg	gaatctgggc	2160
tacatggagt	accatctaca	accttgggct	gcaaaacgaa	gaagtagcca	atgcctttgg	2220
cttggcagat	gagcttgac	ctgtcctttg	gtgagacgcc	agcgtacttg	ggaatccatt	2280
ccaccgcagg	ccactccca	aaggaagctt	ttgaaaactc	gttgtgtgct	tcacattggt	2340
cctctctaaa	ggtttttcca	ttattgtctg	gacagtccct	aaggttacag	gatctgtagc	2400
gcactcgttt	gccttcacag	tacttccctc	cattcttttg	gactgggttg	tcacattccc	2460
tcatcgtgta	ctggactcct	ccaccgcacg	ttctcgaaca	gtctcccca	ggccccaca	2520
ttccccagct	tccatgaaaa	ggcgtatcaa	aatgctttct	gtcggttttg	ttcacacact	2580
tgccgttgat	acaccatttc	ccttctccac	agctggtgcc	atccgcccac	gggaagtgtt	2640
tggtttgaca	caccagcacc	ccaccagagg	tgccggtaca	ccacaaggtg	ctacatgtgc	2700
tggctgcatc	agggcagtg	ttggagtcc	ccccaaatgt	aaactggcac	tgccggttgg	2760
catcgtacga	ggtgccagg	agatcgctg	ggagctgtat	gggattctga	ggcttgtcca	2820
tcaaacattc	cccatgacca	ttatccagaa	atgatgtaat	catgtaggca	ctgcaaggag	2880
accaaggctg	gctgtggtcc	aggttggaaa	gcattgacgc	catcatgtgg	gaatcctggt	2940
tcacaccatt	aagggtggca	cactgctttg	catcatcatg	tggcatgtta	aacacgtggc	3000
ctaattcatg	ggctgtggtg	aaggcagctt	gtaaaccatc	atcttctatg	acggagcagc	3060
ttctgctcgg	atcacacaca	gttccaacat	cagccatccc	aagagtatca	catgtctggg	3120
acccacacaa	gtcctgtctg	gtgaaaagaa	ttgtgtgtgc	atagtgtctc	gcatcccggt	3180
cactgggtgg	gttgtgctgc	ttctgccagt	tgcaaaagtt	ccgcagagtg	agggcagcat	3240
tggaggtcac	ttccggcccc	ttctgttcat	cgtggatgac	caagatcttc	accaccacca	3300
ggctaactga	attacgaatg	ctgggggtgt	tgtacaatct	ggctgccacc	gaaaacaacg	3360
tgagaaggta	atgctttaga	ccactgccgt	ggaattctgc	catcgactgg	tctgccacaa	3420
gcatggtttc	cacatagcgg	tgactggaca	caaatcgctt	ctttcttatg	cttccagttc	3480
ctgtgggctg	tcctacgcct	tgacgtgccg	ggctcctgcg	cgaccactga	ggcccttcgt	3540
cctcgccctc	agtccttctg	tcctcgtctt	cggctctccg	tttcccagtc	ggccggggct	3600
cgctgtccac	gaccccgcac	gtgccgccta	cgctcgccctg	ccgattccgc	cgcaggaggt	3660
ggaactgtag	tggtgccggc	ggcttctccc	ctggggcggc	ggtggcgagg	cgctcgctgg	3720
cggcgggcag	cggctggatg	aaatacgctt	ccccagcag	gtagaaggcg	ccgcgcacgc	3780
cctcgagag	gctgagggcg	gcagccgagc	tgggatcgcc	attcacgggtg	ccggagtaga	3840
agcagtgcgc	caggtcgggt	tcgggaagcg	gcgtctcgga	cccggatttg	cgccccacgt	3900
tctggagcgt	gaagccgggc	gcaaaaaagc	tgctgtcggg	ccgcagctcc	agatccagct	3960
gctggtcaaa	ggcgtgcagg	cggaggcgcg	tggctcccg	tgccggggcg	cgctccagct	4020
ccggcaccac	tagctcctcg	tcctcctcgg	agggggcgccc	gagtgcgtcc	gacacggcca	4080
gtagcgcgcg	ggcgcgcagc	agcagcgtgg	gtacggggccc	aaagctccga	gaccccgag	4140
cccgtccgc	gttcccat					4159

<210> 4909

<211> 1816

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1817)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (8)...(1038)

<223> similar to gi5565866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4909
tcgtggaatt aacattgctg ccatcactga atcagacaag ttcttcatca acggctccaa    60
ctgggaatgc atcctggggc tggcctatgc tgagattgcc aggcctgacg actccctgga    120
gcctttcttt gactctctgg taaagcagac ccacgttccc aacctcttct ccctgcagct    180
ttgtggtgct ggcttcccc tcaaccagtc tgaagtgtcg gcctctgtcg gagggagcat    240
gatcattgga ggtatcgacc actcgctgta cacaggcagt ctctggtata ccccatccg    300
gcgggagtgg tattatgagg tcatcattgt gcgggtggag atcaatggac aggatctgaa    360
aatggactgc aaggagtaca actatgacaa gagcattgtg gacagtggca ccaccaacct    420
tcgtttgccc aagaaagtgt ttgaagctgc agtcaaatcc atcaaggcag cctcctccac    480
ggagaagttc cctgatggtt tctggctagg agagcagctg gtgtgctggc aagcaggcac    540
cacccttgg aacattttcc cagtcactct actctaccta atgggtgagg ttaccaacca    600
gtccttccgc atcaccatcc ttccgcagca atacctgcgg ccagtggaag atgtggccac    660
gtcccaagac gactgttaca agtttgccat ctacacagtc tccacgggca ctgttatggg    720
agctgttatc atggagggct tctacgttgt ctttgatcgg gcccgaaaac gaattggctt    780
tgctgtcagc gcttgccatg tgcacgatga gttcaggacg gcagcggcgg aaggcccttt    840
tgtcaccttg gacatggaag actgtggcta caacattcca cagacagatg agtcaaccct    900
catgaccata gcctatgtca tggctgccat ctgcgccctc ttcattgctgc cactctgcct    960
catggtgtgt cagtggcgct gcctccgctg cctgcgccag cagcatgatg actttgctga   1020
tgacatctcc ctgctgaagt gaggaggccc atgggcagaa gatagagatt cccctggacc   1080
acacctccgt ggttcacttt ggtcacaagt aggagacaca gatggcacct gtggccagag   1140
cacctcagga ccctccccac ccaccaaagt cctctgcctt gatggagaag gaaaaggctg   1200
gcaagggtgg ttccaggggac tgtacctgta ggaaacagaa aagagaagaa agaagcactc   1260
tgctggcggg aatactcttg gtcacctcaa atttaagtct ggaaattctg ctgcttgaaa   1320
cttcagccct gaacctttgt ccaccattcc tttaaattct ccaacccaaa gtattcttct   1380
tttcttagtt tcagaagtac tggcatcaca cgcagggttac cttggcgtgt gtccctgtgg   1440
taccctggca gagaagagac caagcttggt tccctgctgg ccaaagtcag taggagagga   1500
tgcacagttt gctatttttg ttttaggagg acaggggact gttattaaac aaggccttaa   1560
cattgggtgg caaagatttg ccttnttttg attttaaaaa aaaaaactag attgactatt   1620
tatacaaatg ggggcggctg gaaagaggag aaggagaggg agtacaaaaga cagggaatag   1680
tgggatcaaa gctagggaaa ggcagaaaca caaccactca ccagtcctta gtttttggac   1740
cttcttctcc caaggttagc cttcccttct tcagggaagnt ggggtgtttg ttttccattg   1800
tttttttttt tctatt

```

```

<210> 4910
<211> 560
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (561)...(394)
<223> similar to gill184157 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4910
tttttttttg gaagttatga aagaggcttt taatgaaaat actgtacagt ttatgtgagg    60
caaaggcagg gggccttgtc caggaaggga agaggcccaa gaggcttcct gtccccttgg    120
gggcagcaga gccaaatgct tgggctcggg cccaagctgc ctgccctgca ggggtccagg    180

```


gaggtcctga	tgagtcctgc	cccttccctt	ccagagggcc	tgcttggcag	ccagcagcag	240
ggtgtttggg	gagcacctgt	tcccacacaa	gggtcctttt	agtccattcc	aacaggtgac	300
tccgagcagc	cctgaaggct	tggggagggc	tcttgcttgg	caagtggggc	tggcacgagt	360
agagggcaga	ggcccgcctt	gggtgaggaa	catcatagcc	aggcgccgcc	gccgtgcgag	420
tagctgtgct	cctggccggc	gacgaagccc	cgagcagct	cggcctcacc	cccaaacacc	480
aggctctcca	catccacctc	cagctcctct	tggtctgagt	ctgagcgctc	agaggagagg	540
cctgaggagt	ccagactgtc					560

<210> 4911
 <211> 1468
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1188)...(779)
 <223> similar to gi458726 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4911						
tttttttttt	tttgactca	tagttacagt	ttattacagt	gaaaggatac	agattaaaat	60
cagcaatgaa	gaaaggcaca	taaggtaagg	tccaagagaa	cttccaatta	tcctctcctg	120
gcagagtctt	caggataatg	cttaattctc	ccagcaatga	tgtgtggcta	caatgatgtg	180
tgcacagagt	attaccaacc	agagtagctc	acccatgcct	agggtgccag	ggcttttact	240
agggattgat	cacattggca	tgcttcactg	ccccaaggcc	taacttagtc	tcctcagctt	300
gaccttgcaa	ggtcaagctg	atactgcatg	gcccgaaggcc	cacaggtaaa	caaaaacact	360
cttatcaggc	aagatattct	aatggcttag	aggttatctc	ccaggagcca	ggcaggggcc	420
tattctttat	ttggaatgtc	cagggttcaa	acatcccaag	ttcatcctgt	atcacacaaa	480
aggattaact	tcaaaagtgg	tattcttggc	cagggtgtgt	ggctcacacc	tgtaatccca	540
gcaccttggg	aggctgaggt	gggaggactg	cttgagacca	ggaattcgac	accagcctgg	600
gcaacctagt	gagatcccat	ctctatcgta	atttttctaa	aaagtgggat	tcttaagtca	660
agttactacc	ctgattgatg	acagggagag	agaccaggaa	acccctgtgt	tgtaatccct	720
taggaaacct	tacaccttta	cttgctttat	tatcaggtaa	tttccaggat	gtaagccata	780
cagccagaag	gcagggtaca	aaggagagga	ggcagagatg	gtacactcat	acagaagctt	840
ctcctgattg	tccactgaat	agaaggcaag	ctttccctcc	tcaaggttca	gccagatgcc	900
caccacccca	ggtctgtctg	agccaaggac	agtttccttg	accatgtgcc	atgcagagag	960
ctggctagtc	cccttccatt	ccacacaaca	agagtccata	gtccttccca	ggacctggtc	1020
gcggctcatc	tcccaggaag	ccaccccaac	tgcccagtgg	ctgcaattcc	tagtgtccac	1080
ttcccagtaa	tgccttccag	aagacagggc	ctgggaacat	aagacctggc	tggtagaaaa	1140
cctctcacag	ctccagcgat	agggttgtgg	gcggtgagac	acagtcaactg	tacgggaatc	1200
cttggacacc	tccaggctgc	aggaaaggct	cttcaagtta	aaggttggat	ggatggcccc	1260
tcagcagggt	taggaagagg	cagttggcta	tagttgggtg	ccacagcaca	gatgcagaaa	1320
tacctcagca	gggttgggaa	caggcagttg	gctgtagttg	gtggccacag	cagagatgct	1380
caaaggttgg	cgggactctg	agtgtctctg	ggtctagagt	ctcaacctgc	tttgcctttg	1440
ctcgtgccga	attctgcagg	cgggcaat				1468

<210> 4912
 <211> 2144
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1807)...(1484)
 <223> similar to gi3947854 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

007270" 0129840

<400> 4912
 tttttttttt ttaaattaac cagatctgtc ttttaatagt taccagaatt tagatgttaa 60
 ttccccagag gaaaaatgtc catggcacag tttttctgga aaagttcaca tgtagacagt 120
 gaagcttctg aagttaggcg tcaaattagt agtgacaatc ttttttttaa tcttgaaagt 180
 ccctagtttt aaagaaagta gaatccatct ggggcatgtc tgcatacacag ggtatcactc 240
 aagagtcata atcaggccaa aaagactctg aagggaacca ggagggtttg gcccttgctg 300
 tggaaagatg ctactgaaag tataagagaa caccctaata cgcgcgtcag gcacgaaacc 360
 gtaccatgcc ccgctaagac atgggaccag agaacacgtc aacgtcaggc cgctccagga 420
 aaaccatcca caaagacaac agaagctaac ccgaggtcga cactgccatg aagagtgttg 480
 gctgaaaccg cagttaccag tgtctttact ggacgcgaac atccctaagg acacggctgt 540
 gctgcttcct aagcatacgt gaccacgata ctgtctttcc ccgggtctcc ttagcgccat 600
 cactgcacca ggcccagcat gcctcaagtc ctccagagcc ttctcctgag acagcactag 660
 gggccacgtc agaccccagg ctgcagccct tcaccgtgcc cgtccccggt ccggtctgcc 720
 ctgctggggc cgggtgggtat catggggacc cctgtgtaga cacggacacc ggagagcgtg 780
 ggacaggagg cgtctcagag ctccccaccc acacactcaa ggttcagcgt cactcatgtt 840
 tccttctgtt cccatgggtgc ctccaaaagg gtttccaaac aaagtcataa ttgattaccc 900
 tggagtatgt caataagcca aacaccagca gccagatacc accaagctag tcaccacttt 960
 aaaagaagat gagctggaga acgaagcagc cctctgatgg acccagtcag tgcagtcggg 1020
 actcaggagg acacccgggg acccctgccc agctccctgc cggaggaaag actagggaag 1080
 ggaagcagag gaggaacgaa gggcgccggc agagagagta acaagtagaa acttcgccga 1140
 tctgggagca ggccgagaaa ctctgttgag ctgctaaaga attcttcatt ctcatgtgat 1200
 tttcttcatt tctgtcttcc cagttactac caaggagcta aggaaagtcc aggaatactt 1260
 tgttttagtgt cgccataaca tctccaacca tgcattaagt ttaacaaaaa gctgcaatat 1320
 tccagattct taaattctca atggcaacca atttatgtc aaagttgaaa tctggcaagc 1380
 accgtacgcc ttcagcacac gcgtgggtcc ggattttccc atcacacaca cgctctcccc 1440
 cgtccaaggt gcctgtttac ttctgggtctg cgcgggctca ggtttcaaag agcttgctga 1500
 aggcggcccc cacctcggcg atcatgtcgg aggtggtggt ggagcgaccg tgcttctgga 1560
 aggccttggtg gttgcactgc ctgggtgagag agcaggcgcc aaacgcggcc accaggagag 1620
 ggctggaccc atttgttttc tgtggtccag caaggagcgc ccagtgtacc aggacgcccc 1680
 gggagcccga caggaggtcc ccttgccctc cacacctgcg gctgctgcct tcctggctgc 1740
 acacaagcac ctgctggccg ttggagagga tgtcgcgtc tcctttctgg accaccgtca 1800
 cgttgcccag ggcttggtg agtcttagca cagatccatg gctgtcatcg ctgtccatag 1860
 ggccctctgag ctatgacaac acaggaagac agagaaaaag caaagtcttc ctcacacaca 1920
 cgacgacaga tagccctgtc ccataccgcca tgagactcat gctctcgtgt cttaaaggat 1980
 caccagggca cctgttaaag gccatgtagg tgggaggatg cccaggatat cacctgcagt 2040
 gagtcctccg agcagggtgct gacacggtgc ctgtccagt gccatcctc tacctcatca 2100
 gagcaggctg aaggagggaa ttccaccacg ctggactaaa agaa 2144

<210> 4913

```

<211> 2834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(2504)
<223> similar to gil632819 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4913

```

ggcacgagag cagcaacggg cagatgtttc acgcccactg gttctgcgct gggacagaca      60
cagtcctcgg ggccacgtcg gacctcttgg agctgttctt ggtggatgaa tgtgaggaca     120
tgcagctttc atatatccac agcaaagtga aagtcattcta caaagccccc tccgaaaact     180
gggccatgga gggaggcatg gatcccgagt ccctgctgga gggggacgac gggaagacct     240
acttctacca gctgtggtat gatcaagact acgcgagatt cgagtccctt ccaaaaacct     300
agccaacaga ggacaacaag ttcaaattct gtgtgagctg tgcccgtctg gctgagatga     360
ggcaaaaaga aatccccagg gtccctggagc agctcgagga cctggatagc cggttcctct     420
actactcagc caccaagaac ggcatcctgt accgagttgg tgatgggtgtg tacctgcccc     480
ctgaggcctt cacgttcaac atcaagctgt ccagtcccgt gaaacgcccc cggaaggagc     540
ccgtggatga ggacctgtac ccagagcact accggaaata ctccgactac atcaaaggca     600
gcaacctgga tgcccctgag ccctaccgaa ttggccggat caaagagatc ttctgtccca     660
agaagagcaa cggcaggccc aatgagactg acatcaaaat ccgggtcaac aagttctaca     720
ggcctgagaa caccacaag tccactccag cgagctacca cgcagacatc aacctgctct     780
actggagcga cgaggaggcc gtggtggact tcaaggctgt gcaggggccgc tgcaccgtgg     840
agtatgggga ggacctgccc gagtgcgtcc aggtgtactc catgggcggc cccaaccgct     900
tctacttctt cgaggcctat aatgcaaaga gcaaaagctt tgaagatcct cccaaccatg     960
cccgtagccc tggaacaaca gggaagggca agggaaaagg gaagggaag cccaagtccc    1020
aagcctgtga gccgagcgag ccagagatag agatcaagct gcccaagctg cggaccttgg    1080
atgtgttttc tggctgcggg gggttgtcgg agggattcca ccaagcaggc atctctgaca    1140
cgctgtgggc catcgagatg tgggaccctg cggcccaggc gttccggctg aacaaccccg    1200
gtctcacagt gttcacagag gactgcaaca tcctgctgaa gctggtcatg gctggggaga    1260
ccaccaactc ccgcggccag cggctgcccc agaagggaga cgtggagatg ctgtgcggcg    1320
ggccgcccctg ccagggtctc agcggcatga accgcttcaa ttccgcgcacc tactccaagt    1380
tcaaaaactc tctggtggtt tccttctctc gctactgcga ctactaccgg ccccggttct    1440
tcctcctgga gaatgtcagg aactttgtct ccttcaagcg ctccatggtc ctgaagctca    1500
ccctccgctg cctggtccgc atgggctatc agtgcacctt cggcgtgctg caggccggtc    1560
agtacggcgt ggcccagact aggaggcggg ccatcatcct ggccgcggcc cctggagaga    1620
agtcacctct gtcccggag ccaactgcacg tgtttgctcc ccgggcctgc cagctgagcg    1680
tggtggtgga tgacaagaag tttgtgagca acataaccag gttgagctcg ggtcctttcc    1740
ggaccatcac ggtgcgagac acgatgtccg acctgcccga ggtgcggaat ggagcctcgg    1800
cactggagat ctctacaac ggggagcctc agtcctggtt ccagaggcag ctccggggcg    1860
cacagtacca gccatcctc agggaccaca tctgtaagga catgagtgca ttggtggctg    1920
cccgcattgc gcacatcccc ttggccccag ggtcagactg gcgcgatctg cccaacatcg    1980
agggtcggct ctcagacggc accatggcca ggaagctgcg gtataccac catgacagga    2040
agaacggccg cagcagctct ggggcccctc gtggggtctg ctctgctg tgagccggca    2100
aagcctgcga cccgcagcc aggcagttca acacctcat cccctggtgc ctgcccaca    2160
ccgggaaccg gcacaaccac tgggctggcc tctatggaag gctcgagtgg gacggcttct    2220
tcagcacaac cgtcaccaac cccgagccca tgggcaagca gggccgcgtg ctccaccag    2280
agcagcaccg tgtggtgagc gtgcgggagt gtgcccgtc ccagggtctt cctgacacct    2340
accggtctct cggcaacatc ctggacaagc accggcaggt gggcaatgcc gtgccaccgc    2400
ccctggccaa agccattggc ttggagatca agctttgtat gttggccaaa gcccagagaga    2460
gtgcctcagc taaaataaag gaggaggaag ctgctaagga ctagttctgc cctcccgctca    2520
cccctgtttc tggcaccagg aatccccaac atgcactgat gttgtgtttt taacatgtca    2580

```

09459735.03100

atctgtccgt	tcacatgtgt	ggtacatggt	gtttgtggcc	ttggctgaca	tgaagctgtt	2640
gtgtgaggtt	cgcttatcaa	ctaattgattt	agtgatcaaa	ttgtgcagta	ctttgtgcat	2700
tctggatttt	aaaagttttt	tattatgcat	tatatcaaat	ctaccactgt	atgagtggaa	2760
attaagactt	tatgtagttt	ttatatgttg	taatatttct	tcaaataaat	ctctcctata	2820
aaccaaaaaa	aaaa					2834

<210> 4914
 <211> 1602
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(595)
 <223> similar to gi3874039 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4914	
ctgcagaagt	60
gaagttgggt	120
ttcatcagca	180
ctctttgacc	240
ggcgatgggg	300
tccccactac	360
atccggctgt	420
cataacacga	480
aaggcccat	540
tactggcatt	600
ccaggatagg	660
tgggtcctgg	720
gcccagtggc	780
cccaggaagg	840
gaaggacatt	900
ttgggaaacg	960
gattcaaacc	1020
ctgtgcccat	1080
tgccgagccc	1140
ccttttgccc	1200
gctgggcatt	1260
cctgctgagc	1320
cagagaagtg	1380
cccaagtga	1440
ctagtaccca	1500
gagccaggct	1560
tgtttttagcc	1602

0048373E"043100

<210> 4915
 <211> 2671
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (308)...(1500)
 <223> similar to gi2047349 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0040331 04300

```

<400> 4915
cgcacggaaa gtttgagggc ttagcaagga ggggtggtgcc ggcctccgcc cgggtggtggc    60
agaactgcct gtgcgagcac ggcttccacg tgggctgcgc cgccggggcgt catgtcgggc    120
ctaagagaca cgctctacag ctgtgaaatc tgaagttagc gtttgcatth ccttactgct    180
ttgtcttgaa gacagaacga tgccaaaagaa agcaaaagcct acaggggagt ggaaggaaga    240
ggggccggct ccctgtaagc agatgaagtt agaagcagct ggggggcctt cagcttttaa    300
ctttgacagt cccagtagtc tctttgaaaag tttaatctcg cccatcaaga cagagacttt    360
tttcaaggaa ttctgggagc agaagcccct tctcattcag agagatgacc ctgcactggc    420
cacatactat ggggtccctgt tcaagctaac agatctgaag agtctgtgca gccgggggat    480
gtactatgga agagatgtga atgtctgccg gtgtgtcaat gggaagaaga aggtttttaa    540
taaagatggc aaagcacact ttcttcagct gagaaaagat tttgatcaga aaagggaac    600
gattcagttt caccaacctc agagatttaa ggatgagctt tggaggatcc aggagaagct    660
ggaatgttac tttggctcct tggttggtc gaatgtgtac ataactccc caggatctca    720
gggcctgccg cccattatg atgatgtcga gggtttcatc ctgcagctgg agggagagaa    780
acactggcgc ctctaccacc cactgtgcc cctggcacga gactacagcg tggaggccga    840
ggaaaggatc ggcaggccgg tgcagtgaat tatgtgaag ccgggtgatt tgttgactt    900
tcccagagga accattcatc aagcggacac tccctgcgggg ctggcccact cgactcacgt    960
gaccatcagc acctaccaga acaattcatg gggagatttc cttttggata ccatctcggg   1020
gcttgtatth gatactgcaa aggaagacgt ggagttacgg accggcatac cccggcagct   1080
gctcctgcag gtggaatcca caactgttgc tacaagacga ttaagtggct tcctgaggac   1140
acttgcagac cggttgagg gcaacaaaga actgctttcc tcagacatga agaaggattt   1200
tattatgcac agactcccc cttactctgc gggagatggg gcagagctgt caacaccagg   1260
tggaaagtta ccgaggctgg acagtgtagt gagactgcag tttaaagacc acattgtcct   1320
cacagtactg ccgatcaag atcaatctga tgaaactcaa gaaaagatgg tgtacatcta   1380
tcattcctta aagaatagta gagagacaca catgatggga aatgaggagg aaacagagtt   1440
tcatggactt cgcttccctt tgtcacattt ggatgcactg aagcaaattt ggaatagtcc   1500
agctatttct gtcaaggacc tgaaacttac tacagatgag gaaaaggaaa gcctggtatt   1560
atccctctgg acagaatgtt taattcaagt agtctagtgc ctttgagaaa tcaaatgcct   1620
actattttat atgcatatat taaaagaaaa gcaaagacct gagccgagga gaggatgaat   1680
tcaagtttcc ttacctgct atctactaac aaacatgaga cctccctgtt acaggtggtc   1740
agttggccaa atgtactaac gggcacatga aagaaagaac agcaaattac caagtgtctc   1800
agaaaatgac aaaaccatat tttgacaagt ttattttaatc cagtgtggtg gaaaaggcac   1860
aattccaatg tatcatttaa aattgaatgt cattaacctg gctttgttct ttggaagaaa   1920
caacttcttt aaagagcttc tttggctcta gaaaaatttc aaacaattaa aataagaaaa   1980
aatttttaaac tgggtttttaa taatgaaaat atacataact ttgtgtatag acaagcccat   2040
gccattaaa ataaagttaa cctgtaacat aaattttatt aaataatact tccccacaga   2100
tgagaggcac gcaacacct tggacaaaag ggagttacag aggctgctta aaagatggag   2160
aaaagcctga gattgaagga ggaaaaaac ccagtattta aagtctataa aaaatactca   2220
aaatagtggg gtcctccgag tttaaaatag tccattggtt atttttacat tctaaagtgc   2280
catgtagggt gatatttttt aaaatatcat tggagaattt aatcctttcc tttataaaaa   2340
tagagcattt ttctgcctt tctggcaaaa agttggggat aaaaggaaaa aaagttgtca   2400
aaatgtaatt ttcagtccca attcaccag gaaaacatgc ttgtgaattg tgcagtaaaa   2460
gggtgtaatg actactggaa gctaagtcaa aggggtgattt cccacctgaa ttttacttac   2520

```

ttaaataaaa	gttacttaca	atggggagtga	aaaactgagg	tttctgttat	ttagtagaga	2580
aatcaactcc	acgtttactt	aaagagatgg	taaggtcaag	gttcaaatgc	tactgtgttt	2640
taatttgat	atttgaaatt	tctcttgagg	c			2671

```

<210> 4916
<211> 1841
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (129)...(698)
<223> similar to gi4240317 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

0948373E 043400

<400> 4916						
ggagtacacc	tgcggtactc	cttccggaat	tcacgggtcg	acgatttcgt	gcgaagaaat	60
cattgtttaa	tgccccgcac	attttatatt	tgtgacgact	agacaatttc	tctggtttct	120
tggttgaggt	gaccaaggaa	gaaaggcaca	ttgttaaacc	tctctatgat	agatacaggc	180
ttgtaaaaca	aatgctgaca	agagctagca	tcactcctgt	ccttgatct	ccatccacca	240
agcgaagggg	tcagatgtta	cagccaatca	tagaaggaga	aactgcacat	ttttttgaag	300
aaatcaagga	ggaagaagaa	gatggtgtta	atctgtcctc	tgagttaggt	gatatgttga	360
aaactgcagt	acaggtacag	tcttcattaa	aaaactctga	atctgatgtt	gaagaaaatc	420
aagaaaaact	ggctctggat	ctccgattgt	caagttctcg	agcagcttct	atgcctgaat	480
tattggaaca	actttggaag	caacaaaatg	gaaggaatgc	ccagaaagag	gatcgtgttc	540
aatttgaaga	agcattttat	gaaggaatgc	caagcttagg	cttcttgaag		600
cagtgccttga	ggagtacaga	gagtacaaga	aaattaaagc	caagcttagg	cttcttgaag	660
ttcttataag	caaacaagat	tcttcaaaat	ccatataaga	tacgttcctt	gaaaattcat	720
atcataaagt	cagttgtatt	ccttgaagct	atcatcgtgt	gtacttggct	ggtaactaaa	780
ttcgttttgt	caggcactca	gagaatctca	ttttgtactt	ggttgtgggtg	ccactaaaca	840
aaacaaatga	tgggagagta	agtaggccct	ctcaaggagg	cgtaagtgat	gttccatatt	900
aaccacagac	tgtcctctcc	acctttagca	aacatatggt	ttacttcatt	gttttgtact	960
acagatacat	ccttttagca	aaagactgga	attttatcct	ttcaacttca	agaacttttg	1020
aaatgcaagc	tttttggtat	taccaacttt	ttgtttctca	ttactgaaga	aaattggagg	1080
aaaatcttca	tactgaattc	ttctgttgcc	tttttcttac	agaatgactg	aaaatttgaa	1140
agaaaagcct	ataaaagggc	acatacgcaa	ctgtgttctc	tgttttccta	gaaaaccaa	1200
atcaaactga	gatttcaagt	cgtactatgg	aacacctttc	tgtttaattc	ccaaagtga	1260
atcttctcac	aggtagtatg	ttagtaaaat	tttgcaattc	gctggtcaca	cagctcccgg	1320
atgaagataa	cagttggtag	accaaagggt	gacctcgctt	agtatatgga	aaacacacac	1380
cacacatcac	acacagaact	gaatcatacc	acgtgctgcc	tatgggactt	cagttactgt	1440
ttcctgagtt	actgtttatc	cgctggcaat	gggtgtgattt	gtctggatca	gatccgtgct	1500
attcccaaac	ccacctccag	ataatgtgag	aaaatagcca	tgtcagtatg	taggaactct	1560
gatggtgctc	agatttgtgt	gttcaatcaa	tgggcttaaa	tcagcaaaat	attatgccta	1620
aagtaaatct	gttcttaaca	agggctctac	cactgcattt	tcacatgtac	cttcaggggg	1680
ttatcttttt	ttttttcccc	tcctatttta	atcagcaaaa	tccttaccaa	aacaacgaca	1740
acaacgcctt	tttaagggaac	caccttgggt	gcaatatata	catgctgtta	aaagcacttg	1800
tttacaggat	gggtaagggg	ttgccccctg	ttttataactt	t		1841

<210> 4917
 <211> 1307
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1159)...(440)
 <223> similar to gi5106787 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4917
 tttttttttt ttaaaaagcc atttatttta aaaaactggt ttgtcaaadc acatacatga 60
 gcagatacac aactaccaa gtggcctgta atagacacca gtggggcggt caccacacag 120
 tacctgaaaa atacagctaa aaaaggagga gtctgttgag tatttaattt cagatctact 180
 tgactccttg ttgaatggct ttaagtttag atatagttag tgagaggtag agtcccaagt 240
 ataatagctg atgcctcagg gctccattta aaaacaaaac aaaaacaaaa ccatttctcc 300
 ctctgcacaa ggggaagccta tcctattttt tttttccttt gcgaaaacag aagccaagtt 360
 tctcttctca aatgggttcag cattcccaat caaaaagtgg tgtgtggtta cctaggtatt 420
 gtgcttggtg agccatttaa ttttcctcac cttccgattc ggattcttct tctgcatttt 480
 gtaaccactc aacaaatttc ttcattctgt caagaaaaac acttttgcct ttagcaacat 540
 gtgcttcctt ataccatttc agtattgctt cttcgctcag aacatcagct ttataaaaaga 600
 gaaccacaat cttctgaaag gctttcatga aatggatgtt gtcgtagcag tattcctgaa 660
 ccttctggag gaggatcagc tctgactggc cttgggagct gaacacggcc agcaggggag 720
 catattgctt cagggtgctt agagcctgct ctgcaacaag ttcttccttc ttgttccact 780
 caacagcggt cattatacat gtccacagaa gaccaatcac tgctgtttct ggaagatcat 840
 tcctcttcat ttcttctttg acataaagca ccacctcctt gatcgggcat tcctgagaaa 900
 gacgtcctg gagctccttc tgcagttcct tcctggtgcc cagggactgc tggactcgga 960
 ggaagtcgga aagctcctta agacctgcgt cagtgaagta tttagcaaaa tgatccacac 1020
 tctgtctgtt aactggaaag agttcaagca gcctcttgct taagttggct tttctcaaag 1080
 acgaggtaac agagttggca tctttttctg ccatccatgc tttgaaaagc ttgacagcaa 1140
 atgaggccgc aatgcctgtt gaaaaacaaa agagaatttc attcctttta cgagcaaaac 1200
 caattgtgat ggtgtgcaaa gcaaccaggt ttctgaaat gtgtaaataa ctaaaagact 1260
 aattttggta caaatgaaaa gtcaatagac ctctaggcaa attctcc 1307

<210> 4918
 <211> 2550
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(848)
 <223> similar to gi2529707 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4918
agtctacatc ggctccttct ggtccacccc cctcctcatc cctgacaacc ggaagctctt 60
tgaggctgag gaacaggacc tattcaggga catccagagt ctgccccgaa atgctgccct 120
gcgcaagctc aacgacctca tcaaaagggc caggctggcc aaggtccacg cctacatcat 180
cagctctctg aagaaggaga tgccctcggg gttcggggaag gacaacaaga agaaggagct 240
ggtcaacaac ctggccgaga tctatggccg gatcgagcgg gagcaccaga tctcacctgg 300
ggacttcccc aatctgaaga ggatgcagga ccagctgcag gcccaggact ttagcaagtt 360
ccagccgctg aagagcaagc tgctggagggt agtggacgac atgctggccc atgacattgc 420
ccagctcatg gtgctagtgc gccaggagga gtcacagcgg cccatccaga tgggtaaggg 480
cggagcggtc gagggcaccc tgcacggccc ctttgggcat ggctatgggg agggggctgg 540
agaaggatc gatgatgctg agtgggtggt ggccagggac aagcccatgt acgacgagat 600
cttctacacc ctgtcacccg tggatggcaa gatcacaggc gctaatagcca agaaggagat 660
ggtgcgctcc aagctgcccc acagtgtgct gggcaagatc tggaagctgg ccgacattga 720
caaggatggc atgctggacg acgacgagtt tgcactggcc aaccacctca tcaaagtcaa 780
gctggagggg cacgagctgc ccaacgagct gcctgcccc ctcctgcccc cgtccaagag 840
gaaagttgcc gagtgatggg gtgggggggac attcagacgg gcagtgttag aggaggagat 900
gggagcggtg actacacaca cacacacaca cacacacaca cacacacaaa catgcacaca 960
cacatatgca tatcttgaca ttgctctgta ggagagagag gaccatgacg cccacgtttg 1020
cagctgatac ttgtttgggc acacctccaa gttctcgga ttagaaggac aagagcactc 1080
ccaggcccca gagtctaagc ctaagtctct atcgctcttc cctctcctc ggccactccc 1140
cagataccag acctgaggca attcacttgc cagcacagat ggccaaccca cctccagatt 1200
ccccagtgtc tccacacccg ggctctgagc aaatggaaaa gacttttcat ttagtagaca 1260
attcacttct ttttctgtgc ttccccatc tgctttggct tcctaataag aaatccattc 1320
aagagctagg agatctgagg gcaggcgggc agctgcaggg aggagaggtg agaaaggaag 1380
cgtcttctag agacattggc ccaggagctc tgttctttcc taatctaagc ctctgtcttc 1440
ttcggcaaac cttgctttga actctgccag tatttcattt taaagaatcc cagagcggga 1500
gagagaagag aaaaaaattg ataagagtga ggaaattgtc ctgtagtcta ttgaaaacca 1560
gtcaagggtg ttttagttca tagattttgt tagatgttct ttccacctgg cctatgatgt 1620
ttagatgttc atacttgact cacatttacc cagccccctc tgcgtaccag gagctgtgtt 1680
aggcacttta tatacattat tctatgtggc cctcactgat gccccaggga agtatgcatt 1740
agccttcccc ttttgcagtt gaggaggctg agtagcctca gaagggttta ggcgaccttc 1800
tgaaactcac agaagtcacg tgatggagag aggattcaaa gccagggcct cagacctca 1860
cacacttgct tgtgctatga tgtatgcagg atcccagcat tgatacccaa tgacaaacta 1920
tgagaaaca gcaaagtatg caggccccct gcagcctccc aggacaggct ggcaaggag 1980
gagggccggc cagcatttgg tgggcatca gtctggccat ctgtcacgtc acagaagcaa 2040
accgtgcctt ctggctctgc gcccataatt cccagcatca tagacatcca acagcaccag 2100
caggagagtg ggctagcctg ctggatgctg ttcgtgcctg tcctgtctct gcctcccacc 2160
cagttgcctg aatcatccca gctcagatgc agccactgtc tcttgtcaag tgggacctca 2220
tactattctc agaaggctaa cttgagaggt ttggggcctt gttccccaga gggccccag 2280
ggactctgca gtgtccttgg caaatcccca ctgtactcaa tgccctacat tctcttctgt 2340
ggtctctccc ctggcttget tcatggccac tgaaccaatc actttgtatg ctatgtcct 2400
actgtgatgg aaaacaaaat gagtataact tattttatat ccatattcag actatataga 2460
gaatattcta tgcattctat acgtgcttac tactgcagtg catttgtcat tagtcttcat 2520
gttaatacag tacatttatt aaattggtaa 2550

```

```

<210> 4919
<211> 789
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```


<222> (792)...(393)
 <223> similar to gil244515 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4919

tttagcagtc	tggatactgt	atctctaata	catttactct	gacattcttt	tgaggaatac	60
atggagaact	gacaattggt	tatgttagtt	tacatgttcc	cttgttctta	ttacattaata	120
cgtatctgta	agaagggttt	gcttagcatc	cccagaaaaa	aaaaaaaagt	gttcacattc	180
tttaggtctg	acccgtggta	aggagaggga	ggattagaga	acatctacta	ctgaccatat	240
ggaagttttg	gatgatataa	attcagagat	tcagaccagc	tgaatcaaat	taaaatgtac	300
atgtaaaaaa	tgtgttagat	aatgggaggc	aggacagaga	gagagccagg	tgagtgggga	360
gtcacgctga	ggcaggacac	agaggcaatc	agactagcat	gtggcgtttc	ctatggaggg	420
caagatggtc	agaacgggag	aagctgcggt	cacagtccgg	gcactggaaa	ggtttgattc	480
cagtatgttt	tcggaaatgt	cttgttagtt	catcagaccg	agcaaacttc	catgtgcacc	540
cttcccatgt	acattttagt	ggtttttctc	ctgtgtgtgt	tcttctgtgt	gctttcaagt	600
gggagctttt	agtgtacact	ttgttgcac	catcataatc	acatctgtgt	atcctccgct	660
tcctttgagt	atccggggat	tccacaggta	aaggtctctt	cccaggctgc	acgatgaccg	720
aagggtgatt	ctcttgcaac	aatgcttgcg	ggggggacac	tgagttcatt	aaggggggtg	780
acatttctc						789

<210> 4920

<211> 648

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (15)...(552)

<223> similar to gi4760400 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4920

tggaactgaa	cagtctattc	aacaacaaat	tgactgacgg	ctgtgcacac	tccatggcta	60
agctccttgc	atgcaggcag	aacttcttgg	cattgaggct	ggggaataac	tacatcactg	120
ccgcgggagc	ccaagtgtcg	gccgaggggc	tccgaggcaa	cacctccttg	cagttccttg	180
gattctgggg	caacagagtg	ggtgacgagg	gggcccaggc	cctggctgaa	gccttgggtg	240
atcaccagag	cttgaggtgg	ctcagcctgg	tggggaacaa	cattggcagt	gtgggtgccc	300
aagccttggc	actgatgctg	gcaaagaacg	tcatgctaga	agaactctgc	ctggaggaga	360
accatctcca	ggatgaaggt	gtatgttctc	tgcagaagg	actgaagaaa	aattcaagtt	420
tgaaaatcct	gaagtgtgtc	aataactgca	tcacctacct	aggggcagaa	gcctcctgc	480
aggcccttga	aaggaatgac	accatcctgg	aagtctggct	ccgagggaac	actttctctc	540
tagaggaggt	tgacaagctc	ggctgcaggg	acaccagact	cttgctttga	agtctccggg	600
aggatgttcg	tctcagtttg	tttgtgagca	ggctgtgagt	ttgggccc		648

<210> 4921
 <211> 1071
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1072)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1012)...(544)
 <223> similar to gi6013381 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4921
 tttttttttt ttgcaaatta gaattctttt aatataaaaa aaagtactaa aatacccacg 60
 tggttctgct gtgttatattg ccctaaagga agtgaggggc agagtgaaga atcccagtgc 120
 agctcagtgg gcccgaaaat gggcctttcc gtaggataag gcgtgcccac tccacctcca 180
 ccagacttct atccccctctg ctgttcccag cccccaattc ctgcagcagg aaaccccagt 240
 ggtctggctt tggcactggg agtagaaggc acctgaaggg ctggctgggt gagtgaggac 300
 aggtgacctt taaaaacaaa acgacaccgt ggggtgggga agcagggtcat gcagctgtgg 360
 cagctggcag ggcccactcc tccatggcac aggtgggcat gggatggcca cttctccaga 420
 agtgaggaag cccagatccc aacagaatac tttctcaaaa ttgttttttg tacaaaataa 480
 atggaaagaa gatatggggt ggggtgctgt ggaggccggg ccagccaccc tccccagacc 540
 ttagatcata tgcgatgctct cgggggcaca gttgaggtgg gtggaggtgc tgctgctccc 600
 ggaggacttg caggcccggc caggggtagg ctgcagtgc gccaccagtg tgtctgagga 660
 gactgcccc aactcgtagc tgaagggtgcc atagaaaatg aggatatcga tgacacacac 720
 ccactcacac agggctgccc catgttgtag ctgagaactc tcatgggaaa agaagactcc 780
 actgaggacc agggtgataa aggcgatgac agccagcaca cttcgagat aggccacagc 840
 caggtccagc ggggcgggtg ccccttggtg ggagagagca cagtgcaggc aaacaaagag 900
 cagccccgca gggaaggcca cgccagctcc aacgtagtgc agagacctgg catgatccac 960
 ctgaaagttg ccaaccacca agaggccgc agcgttggtg cagcctgtga tagtccnnnn 1020
 nnttngcggc cgtactgcaa aatggggttt catttggggg gaaccgctac g 1071

<210> 4922
 <211> 1738
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1718)...(1342)
 <223> similar to gi4582465 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4922

tttttttttt	ttggggagaa	aattaaacct	tattttat	taaaatcaaa	ccactaggaa	60
aatatatcac	agcctggaaa	cagcaaacgg	acaggctata	ttataatttc	aagtaataag	120
ttggtgaaaa	ttcaacgaag	ttgctatcaa	aacaataagg	tgccatgctg	gggcaggaac	180
actgccagct	gcacaagccc	caggcaaaaa	tggtatttgg	taatgggggc	tgtctctcct	240
ttgctctaag	ggagtcagct	catcctagcc	caagttgctt	actttttctc	ccttgaattt	300
cctgttgcca	ggggtttgtc	tcaattgggc	tctgttaatt	cagggggcta	agtaggcaat	360
gctaggtgta	ggctttcatt	ccatatgttc	taataaaacc	aggttttccc	aaatccagta	420
cttcatttac	tctgttgtaa	tcaagtagcc	aactgctcct	cttttactgt	tcattcctag	480
atactagtat	atatcacaat	caaaaccccc	ttctcttcaa	ggggaaaagt	ttactgcaag	540
attgtcctgt	cattttgtta	cacacagcct	cagggggccat	cagccagtaa	ttctgcttcc	600
cataattgat	gtgtcatcac	ctctcatggt	tctgcacagt	ctccaggctg	aaagatgcag	660
catgtaataa	ttttaagaaa	tgtacatcca	catccttgat	accagaaatg	gggatccaca	720
aggaacattt	caaagtctct	atccaaacta	gtctacctcc	cagttccaca	tcttaaaatc	780
aacttgtagt	cccttgtagt	aattacccca	aatcaagaaa	acaaagaccc	agaaaaactt	840
ctttcccttc	taagtttagt	acctcattga	ttttgtttca	cagcttatgg	aagatgggtg	900
ggtgacactt	ttggtaaaca	ggatgttggc	aacaaagaga	aaatatctct	cctcagactc	960
caccaactct	aacctgccag	cctgttagta	cctgtgtagt	aagaagagtc	tggtaccttg	1020
gagggctctg	gcttgttaca	ggggagagcc	ttactgccag	gacaagcact	ggccacagga	1080
aataataagc	tctaaaaact	tcctgtaata	tctctgactc	gatttagcac	cacttttttc	1140
catttcattt	tttagggact	gaaacataaa	ataaccagtg	tccagaggca	agtgacatat	1200
gccttacgct	tgtggccatc	cttcatttct	tcattcgtaa	actttgctta	aaagactaaa	1260
attcccaatt	ccttataaaa	aatatattct	tgccctcagc	cctgatggcc	actggcaaat	1320
acttttattt	tccaattgat	aagagagcct	ccttcattct	cttggtcata	gttgggatga	1380
ggtgcatgtg	gtcatccaca	cacttggtca	cacaactgtc	cagctgctgc	ttcaacctgaa	1440
gctccttact	cccagcatct	attgaatctt	tggctttgtc	gttgcaatgc	atggtgcacc	1500
gggccaggcg	gtcctggaac	ttctccagct	cactggtgac	caaagcctgg	gcttgagcca	1560
gaggcacatg	gcagcgctcg	atgcactggt	gcacctgctt	catggaggcc	tggtctcctt	1620
cacaacagct	ggcgctgcac	cggaacatga	gaccctgcat	cttccggatg	ttctctcttt	1680
ccagactctt	caccatggac	tccaccgcct	cctgcaccgc	gagctgctgc	agctcagc	1738

<210> 4923

<211> 1349

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(415)

<223> similar to gi2588610 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4923

cggttcgggg	ctgtaccggg	gacccacgcc	aggtggccag	tgcactctga	aacccaactc	60
aatgcccccc	gaccatgagc	gaaacttcgg	cttcacccag	tttgcccttg	agctgaatga	120
gctgacagca	gagctgaaac	ggtcgctgcc	ttccaccgac	acgagactcc	ggccagacca	180
gaggtacctg	gaggagggga	acatacaggc	cgctgaggcc	cagaagagaa	ggatcgagca	240
gctgcagcga	gacagcgcca	aagtcattga	ggaaaacaac	atcgtaacac	aggctcgctt	300
cttcaggcgg	cagacggata	gcagcgggaa	agagtgggtg	gtgaccaaca	atacctactg	360

007270 "012100" 09483733

```

gaggctgcgg gccgagccag gctacgggaa catggatggg gccgtgctct ggtagccctg 420
gccccggggg caggaggctc tggttcctca ctctcctgc ctccaccccc taccatggac 480
acatgggtga ggccgggctc cccgcctcac tgcccttgag accaaagggg cagccctggc 540
cctccctccc ctctgctggc cagaggggtct gcctctcagc ccacccccaa cccaccgtt 600
tggggtgaga agcagaatct gtgcttcccc agtctccttg cccagacaa ccagcatgta 660
agacccttcc cgcttcacca ttccgattcc tgtccccttt ggggtacttg ggggagactc 720
tggtccccag gatctgttcc ctatttcagt gccttcctag gacacagggg actccttgac 780
gctccccagg ctttctgtgc ccaggcctct gtccccagcg gtgaggttgc agtgagtga 840
ggagaggagg tgatctgttc tccctccctt tctgcccac tccagcatct tcttcccctt 900
ccctggccct gcagggcctt ctccagctcc ctttggttag tccctggcca tccctcctgt 960
cctggatccc ttctccctaa ctgcaaaatg cctgcagctt ccagctcctt cgtccctgat 1020
cctcaagcgg ttccctcccg tctcagctca gcgatcccc cagagtggag gaggcctctc 1080
catgaggagg ggagcagccc aaggcacctg tctctgacc caccggcagc gagtgcgcag 1140
gtgtgagtggt aagttcatgt aggagagtgt atgctgtgct gcctgtgccc tgcttgagg 1200
caagcagggc tccctcatgt agcccgccct tccccctgct gggggtccac cacatcgctg 1260
ctctttctca cagtctgcct ctgatgaggg cgaattgcta tgacattcca agctccaata 1320
aagactgtcc cagactttga aaaaaaaaaa 1349

```

```

<210> 4924
<211> 1021
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1001)...(604)
<223> similar to gi3955266 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4924
tttttttttt ttttaaaggt acaaatttat taaaactttg cagttaacaa ttattgaaga 60
aattagtatg ttaactataa aaacctagaa gtcccaggaa ttagatttca aaggatttgg 120
tttcaaagaa ttctttataa gtgattttta ccattacatt ctttgttaaa ctgggacttt 180
ttctactttg gggattatth tgccccagct gtggccatgt ttaaaattag tcaggcaggc 240
acatgaagtt gtgggagaga tgatgaggtt cgcactctta tccaagtttt agcaaatagg 300
cactgtatth cccattttaa gggaatgcag tttcttctgc ggttcttttg cataaaggag 360
ctctagactc cccatttctt tcaactcaagg aagagccatt tgcattcttg tcctcacacc 420
tgagtacttg tcacaagtta aaacactggc caaatcacca cctcaggact ccttgtatgc 480
attcagataa aaacgtcttg ggtgggggaa ggtgctttcc ctcagttctt gttctcacac 540
atctgtcatt tagttgggtc cagttgggca ggtagaagcg ggttaaaagt tttaaaactc 600
ataataatcg tgtccagaga taaatgaagg ctggtgttaa caagcatgac agaaaagcct 660
ggaccagctg ttttctccaa aaagccagt gaaagggggg cctgaagaag tgacaaaagc 720
catcccagcc gccctgagcc tgcagccagg cgcggtgctg ccccatgagc cgcgagctca 780
gcaaggccac caggcgtctg cagtcgccgg cgacgtcgcc ctctgtctcc tttagccgcg 840
gctggaagcc ccacttcttc caccggggcg tcaccagcgg ccctctctcc agcagcgtcc 900
ctgcgaaggt cagcagcgtc accactaagc cccaggtggg gccggggctg tcggagagca 960
cggaatccgc catcagcgcc accagctcga agcgggttccc ggggtagccg aggtaggcgg 1020
a 1021

```

<210> 4925
 <211> 1283
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (113)...(835)
 <223> similar to gi4929321 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4925
 acagaggcaa cggttagggg agcggagggt caagccacat gtctgcgtcc tcggggggcca 60
 gagcccgcca gccctcgcg atcccggctc gcggccagcc cgagcggctc gggttttaaa 120
 aatcaatttg attggccaca ggaaacgtat tttggcatct ctgggagaca ggctgcacga 180
 cgatcccca cagaagcccc ctcggtccat caccctcagg acaggagact ggggagaacc 240
 ttccattacc ttgcgacctc cgaatgaagc cacagcctct accccggtag agtactggca 300
 gcatcaccca gaaaagctta tcttccagtc gtgtgattac aaagcttttt atttaggttc 360
 tatgctgata aaagagctta gggggacaga atcaacccaa gatgcttggtg caaaaatgcg 420
 ggctaactgt cagaagtcta cagagcaaat gaagaagggtc cctactatta ttctttctgt 480
 ctcatataaa ggagtcaaat ttattgatgc aacaaataag aacataattg ctgagcatga 540
 aattcgtaat atctcctgtg ctgccagga cccagaagac ctctcaacat ttgcctatat 600
 cacaaaagat ttgaagtcta atcaccacta ctgtcatgtg tttactgcct ttgatgtgaa 660
 tttagcctat gaaatcatcc taaccctggg acaggcattc gaagtcgctt accagctagc 720
 actacaagca agaaaagggg gacactcctc cacacttcca gaaagctttg aaaacaaacc 780
 ctccaaaccc atccccaagc cccgcgttag cattcgcaag tccgtgcaga tcgacccatc 840
 tgagcaaaaag actctggcca atctaccgtg gattgtggag ccggggccaag aagccaagag 900
 gggcattaat accaagtatg aaaccacgat tttctgatac tcgccgtcct cctgtcctcg 960
 cggcgccttg ctgcgcaagc ggtcccggag caggctttcc ttcgcgcctc cgcggtccacc 1020
 cagcccagga ggaagactgc tctgagcgtg cggccttggt acgggcgaaa ggccactggc 1080
 cattcctggg gaagtctctt ctgcaccagt gatggaaaac gcaagacttt ccagtcgcaa 1140
 cccctgagag gcgtgagttg agatgggttt tccctgatgc tcccgactcc cctccccacc 1200
 acctaccaag gtatttctga tgactccgcc ccagtacttg ctttgcttca tttggggaaa 1260
 ataatacctt ttctttaaaa aaa 1283

<210> 4926
 <211> 972
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (112)...(496)
 <223> similar to gi407097 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4926
cgctctctcc tgagcataaa ctccctcacca cattcacctt ggtacccact gctgcttaca    60
tggtctcctgc tccgtgggaa cgtcccgcag atgttttcct aaccaaggtg ctttcccgtt    120
gcagatcgtg gcaggttgat cggcggccttg cctgacgtgg tgaccatcat ggaagggaag    180
accttgaatc tgacctgcac ggtgttttga aaccctgacc ccgaagtgat ttggttcaag    240
aacgaccagg acatccagct cagcgagcac ttctcgggtga aggtggagca ggccaagtac    300
gtcagcatga ccatcaaagg cgtgacctcc gaggactcgg gcaagtacag catcaacatc    360
aagaataagt atggcgggga gaagatcgac gtgacagtga gcgtgtacaa acacggggag    420
aagatcccgg acatggcccc gccccagcaa gccaagccca agctcatccc cgcgtctgcc    480
tcagcggcag gccagtgaag gcgttttcct agcctggaga tgggaaaata tgcttggcag    540
agacaggaat gctgtgtgct tgttccaaat gagcagctgg catccgagtg gtgtcctgtg    600
tggtgtgata gttgatcaca cattgtgctt ttgatttttg catttgggtga tgaatatattt    660
atacccgctc aaggggagaaa gctaattgtt tccacaagac tgaacaacgt gtattttacac    720
gagggtagac ggcagatgcc tgacagagag tgggttggca gacaacacac tagcatttttc    780
acgggtgtgg gcacatgggt gtggcacctg gacgtgtgca gcatgtggcg gtctgtgtga    840
agccaccgtg cttctctttg gggggccgcg agatctagca tctctgaaat cctggctgtc    900
gaggctttga agcatgtgtt acctggttaa gcttgttttc tcttgcttta ggcaataaaa    960
agtttaaaaa tc                                                    972

```

```

<210> 4927
<211> 2002
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(137)
<223> similar to gi3228374 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4927
gtcgacaaaag ccttccatga cctcgttaga gtaattagga aacagattcc ggaaaaaagc    60
cagaagaaga agaagaaaac caaatggcgg ggagaccggg ccacaggcac ccacaaactg    120
caatgtgtga tcttgtgaca ggcctgaggc cctgggcaca gtgacggtgg cctggccagc    180
cctcgggacc cctccccacc taactgcact gaaaccattt ctaaccacaa cccttggccc    240
aaggacttgg tacaggaagg gagaagggca ggtgggcagg gagcagacag ggtctggctt    300
tgcccagagg gcacgggctt tcccacctct caaagagaca aggaagccac ctgtaagcag    360
aagcagcatc caagtgcacc tggccccccc atgtgttgat tcaaccgggt tectcccct    420
ctctcggtag gtgtgttgtt tattgtaact acatagtgtt ggtttgatgt ggaagtgttt    480
atccacatac aaagtacaaa acaagccatg aacaagcttc tttcccttac ccccatcca    540
caatgtctga gcttgggatg tcttttatag atttttaaat tatttttagt attattattt    600
tattaaagg gtctgggctc actgcctggt gaagtttcaa gtgttcagca gacctctctg    660
gtaacatata tggaatattg ttgttgtttt ttaaccgagt tttcccatca gtgcaaaaag    720
tctactcaat ctgaaagtag agtgtctgag aggacagaag gtaatgggaa ctgtagctgg    780
aggcctcagg ccatgggtca aacctgggag ggaaagagac cctacacatg gcctagaaat    840
gagagaagag agaggtatct acccagagga ttttcctatg gttggggatg caaatattag    900
aaaacagatt gtattttgct gaggggagtg gctgtcatga gcatgtcagt tctaaaaggg    960
gttttcatta tcctggaaat gtataaacta aagtaagctg attggctttg caaacatgtt    1020

```

[illegible]

<211> 1057

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (43) \dots (677)$

```
<223> similar to gi4559368 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

t c g t g t g g t g	g a a t t c a c g g	c a t c c t g c c c	c c a c t g c g c a	c a g a g g c c a c	a g a g t c c g a c	60
t c a g a c a g c g	a c g g t a c g g g	t g a c t c c a g c	t a t g c c a g a g	t g g t g g g g t c	g g a c g c c g t g	120
g a c t c t g c a c	a g t c c t c t g c	c c t c t g t c c g	t c t c t t g c a g	t g g t g g g g t c	a g a t g c t g t g	180
g a c t c t g g g a	c c t g c a g c t c	t g c c t t t g c t	g g c t g g g a g g	t g c a c a c g c g	a g g t a t a g g c	240
t c c a g a c t c c	t c a c c a a g a t	g g g c t a t a g a g	t t t g g c a a g g	g t t t g g g c c g	a c a c g c g g a a	300
g g c c g g g t g g	a g c c c a t c c a	t g c t g t g g t g	t t g c c t c g a g	g g a a g t c g c t	g g a c c a g t g t	360
g t g g a g a c c c	t g c a g a a g c a	g a c c a g g g t t	g g c a a g g c t g	g c a c c a a c a a	g c c c c c c a g g	420
t g c c g g g g a a	g a g g g g c c a g	g c c t g g g g g c	c g c c c a g c t c	c t c g g a a t g t	g t t t g a c t t c	480
c t c a a t g a a a	a g c t g c a a g g	t c a g g c t c c t	g g g g c c c t a g	a a g c c g g g g c	g g c c c c a g c g	540
g g g a g g a g a g a	g c a a g g a c a t	g t a c c a t g c c	a g c a a g a g t g	c c a a g c g g g c	c c t g a g c c t g	600
c g g c t c t t c c	a g a c t g a g g a	g a a g a t c g a g	c g a a c c c a g c	g g g a c a t c a g	g a g c a t c c a g	660
g a g g c t c t c g	c c c g c a a c g c	t g g c c g g c a t	a g c g t g g c g t	c a g c c c a g c t	g c a g g a g a a g	720
c t g g c a g g a g	c c c a g c g c c a	g c t g g g g c a g	c t c c g g g c t c	a g g a a g c c g g	c c t g c a g c a g	780
g a g c a g a g g a	a g g c a g a c a c	c c a c a a g a a g	a t g a c t g a g t	t c t a g a g a c c	c c a c a a g c a c	840
t a t g g a c g a a	g c g t g g g a c c	c c a g c a c g g g	c t g c c c t c a g	g a a g a c c a g t	g t t g c c c g a g	900
g a g g g g c c g g	c c t g c t g g c c	t g g g g c g t g c	g g a c a c t g c t	g a g t g g a g a c	a g a g c t g c g g	960
g g t c c c a t c t	g g a c a c t t a c	t t g c c c a c c t	g c c a g t g t c t	t g g g c a t t t c	c t t g g c a a g g	1020
a c a t t a a a g t	g a t t t c a t c a	c a q t q t c a a a	a a a a a a a			1057

<210> 4929
 <211> 4061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (4062)...(2827)
 <223> similar to gi577307 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4929

tttttttttt	ttaggggggtt	aaatgtttat	taaatcaagc	ttttaaatta	tatatccacc	60
tacagtctat	aaacaaatat	agtacacatg	tatgtaaaag	gctagcagat	aagaaccagt	120
ggaaaaacta	aagttccctt	tgcacaccgg	cacctcatca	caacaccctc	ttggtgtgga	180
tgccatgggg	ccatgctgta	gtcaaaagtt	aaatgaaaaa	ccacaagttt	agtttgactc	240
cgtctcctag	ggtggatttc	attcagatat	ttgttccata	ttataggagg	gtggatccta	300
gcaaggcaac	agtgtagttt	ttacattcac	agattggctg	aagtagtaca	aattgagctg	360
ctaattctagg	tgtctccctc	cctgtttacca	tacttcataa	gaaatgtgaa	ttaaaatgaa	420
caatggacca	caggtgggta	taaaaataga	taactcgcag	agtcataaat	atctacagtt	480
agtagagcag	aaactttctaa	aattttacctt	tttccataat	gtgcagaata	tcctaagtat	540
gttcaagaga	cacagtcagc	agacttcaga	gtggttaatta	caagggcatt	tgtaaagaaa	600
taacactcga	gtacaaaacc	agagtaagaa	gctgaatgca	gatgaaaata	cgaaaaacac	660
gcaaagttcc	aactcctcac	atctcattat	gctacttact	agacaccaca	attagcttac	720
agccctttat	atatctttta	aagtaacttt	ttgttacctg	tgtacaaact	ttaacaaaga	780
tttttcatga	gacaagcaaa	gtgggttaat	ggtggcgcta	aaactgctga	aacttggagt	840
gttttgtgtg	ctttcgtata	cttctgtgta	tggggcttta	aaatgctcca	aaaatgtttt	900
ggatagagtt	tttaaaattc	ccatgaaaat	ctattttata	atcatttcaa	ggtatagaaa	960
aaaagaaatc	ctaaactggc	attgagggac	aggcccaaat	ctcaciaaag	aacttaaat	1020
ctaggaatat	ataaattaca	ttcatatggt	catttaacac	gtatcaagt	ctatgtaagg	1080
taactgtaat	ggattctgaa	gccaatctca	tttaaaacag	tacagtaaat	cccatcttaa	1140
ttctacaatt	aaagcactta	ttccaggtaa	tgtgcgtttc	agcaaagctg	acatcttgta	1200
caacagtgtc	accttaaagc	ttcatcaaag	attcacagca	ggcctgaact	gtaaaagttc	1260
agaaccaaca	atgccacagg	tagttattca	tcctaatttc	tcgcagggag	tgaagggctc	1320
acttgagtga	tcctaagggtc	acctaagcct	agaacagtgt	tcctgaaaa	ctccagcaag	1380
tttctcacc	aaaatctctt	cagtgtaatg	tgtttgggac	ttgctagggt	agaaaaatgg	1440
gttccactga	tgtataaaca	tacattcgac	accttcaaga	ggtgtacaga	catagtgttt	1500
cccagactca	cttgaccttt	ccagggaaca	cctggaataa	tactgggtc	ttgggacagt	1560
catttcctag	ggaacacaat	tagaggaatg	ccaagttaaa	gcagattttc	taaagtagtg	1620
gttcacatat	tgtagtaagc	atcagaaaca	cagatgccac	accccttcag	aagtcagggt	1680
tgggacctgg	gaacctgcat	ttctgagacc	gccccctccc	ccaccccccc	acaagtgaag	1740
ctgatgctgc	tgcaccgaag	accgcccttg	gagtggcact	tgttgagagg	atggcctgca	1800
tagatctcag	ctgcagggaag	ccctcctatg	gcctcaggaa	aggctgcaca	tggcatttgc	1860
acaaccaatg	agtcggagggt	caaatacagcc	cagtgacttc	tcagagggtc	catgcaacct	1920
tggcactgac	acttgaactc	ctggctctgt	acccctgcct	cacttaggtg	accaggagg	1980
agtgactgca	tcttaacaag	aggacttaac	agtagccctt	tgcaccccc	agtggatctt	2040
gtgatgttta	agataaatgt	ttgctaaaaa	atgcactaac	tagcctaaag	catcatacaa	2100
gtgtctgtta	atcagaagaa	tgtgccagcc	acagcaggaa	aatcccagat	gaattttctg	2160
tcttgttacc	tctgagcctt	gacgaaggca	tattctgaca	actaacgaag	agaaaagagg	2220
ctaaaaatgc	agacaactgc	agtgaggggg	aaatacatga	gtggattatc	taattaaaaa	2280
tgcctgattg	ttaaaaaaac	aaaggtcagc	ccacaatcaa	agtagttaat	tatgctggct	2340


```

ttgagatagt gtttaaaagt taaatatggt gatctttgaa cacactcact cctccactct 2400
accatgttaa tgctgggttaa aatttaacac tagaaaaatg agaaaaaaa tcctccactc 2460
aaatacatat gaattacacc taaaatatatt ggctgagatc gttccaatct tataagctac 2520
gattgtgtgg aaatttcata agcaattttg aaaaaaagac atcaaatttt ggctcataga 2580
aacatccaca gaatgaggaa taaaccaccc attcacatgt ttgcatgtgt gtttagttaa 2640
tggcccgagta ccactttggc taatgaactg cctctcaca ttacaaaaac gaacctgtaa 2700
aaattcatat atatccgtga tgagattaca gtcaaacatc atgttgccaa gtcctgggtt 2760
ccaccgtgaa cccaaaagat tgatcagaaa ggcagaactt cccccaacac gttgcatgat 2820
tcactttatg tatgctctgg atggctctga agacaagaca acatctcttg aactgggtctg 2880
ctttcgtagc agatctgata cactgcagta aacaatggaa acttgccag tagtcccttc 2940
tgtttgagga tgcggtacac ttcagcagaa gtctgcggtc cttggagctt ttgccattc 3000
agcatctcct tctccaactc ttcaatgggtc ttcccagttc tggcgaaggc ctgcggccacc 3060
ctgcggttcc gccctccgta acaggtgggtg atcaggtcgg ccaccccgcga gctctctagg 3120
aaggtggctg tagacacttg gcctttgcag aagatcctgg caaaagcaat catttccatg 3180
agtcccaggc ggatgacggc cgctttgggtg ttgtctccac agcggaggcc gtcgcagAAC 3240
ccagctccca cagctacgat gttcttaagc gcaccacaga gttcaacagt gtctgcatca 3300
tcaaccacgg taattcgaaa atttggagtc tgcagaagtt ctttgaagag aaggccgttc 3360
tccattactt tgctgccgat ggtggtctca cagaacttct ctgcagccac ctcatggca 3420
atgttggtct ccatcagcac actgatgtca ataccatct tctcacggat gatgtcagaa 3480
atgagcttca gcccctcggg gccctcgtct atgcccttga tgagggtgat tcccagcgt 3540
ttcttgaggc ctctcccagt gatctcatca cagattctgt gaatgaactg gtggggaatg 3600
acaaacacca gcaggtctgc atcctgcaca gcctcgctaa gatttgacat ggcaaccaca 3660
ttttctggca gcttggtgtc aggaagatat ttacatatt catggtcatt atttatgatg 3720
tctgtcagtt ttctgccatt cactgtttct tcaaagaccc acatcttgac tgtggaggca 3780
aatttctgaa gtttcttgac gttattacca attatttttg caacagctga accccagttc 3840
cccagaccca cgatgcacac tttcaggggc gccgctgcca tggccggggc gaatgtagcc 3900
gcctggaccg tgettccctg gccggtgccc cacctccgcc tgttcagcct tgcccgcagc 3960
ggctggcggc ggccccgcc ctttcgcctc tccgccaatg gtcgcggcca cccccgccg 4020
gcgcgggggg ccgcagctga cagcggggca ggacccgctt c 4061

```

```

<210> 4930
<211> 4741
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(4742)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4741)...(505)
<223> similar to gi5689487 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4930
tttttttttt ttaaagttta tagaaattct ttattattag acaaaaatag actctctttt 60
ttcccctatt catgtgatcc tactctgaat ctctgctcag aggaggcagt gactcgctcc 120
ccacccctct cccatccctg ccgtgctggc acctgcagct ggggtggaact ggcaggggct 180

```

gatccccctgg	agggctgacg	ttctcctgca	ggtggggctg	cctgatctcc	ttcggggctc	240
aactgctgat	gcctcctcac	ccctcacaca	cccctctctg	ccatctgctc	acatgcaagg	300
tcctcttctg	ggcctgtcca	cttaacttag	caggctgggg	gcggggaagg	agagcagtgt	360
cccaggcctg	atgcccactc	ctcattccct	aaggagggtg	gctttctcct	gggtctcctg	420
ggtccaaggcc	aggggatgtg	agggctgtgg	ggtgctggga	ggggggcagt	gttgatgtgg	480
gctctgagct	tgtggccttc	cttcattttc	tctggcccag	tagaactttg	gtgatgaagg	540
tgacaatggc	gccagcaggc	tgatctgggt	caagctctgc	aaagagggtg	cacacattct	600
cccaggggct	tcccggcttc	ttggccacga	aaccaaagat	cttggagggtg	gtcccgctctg	660
ggttgggtcca	tctccgggtc	tgagggtcag	tgctggagaa	ggtgatgctg	ttcactggat	720
aatggcgcg	aaagaagagc	ttccttttgt	tgccgtcag	tgtaatgcc	tgggctgaca	780
ccttgaagtg	gacaacagct	ggtgtcgggc	gggggctaca	gctcagagct	gcagagctgg	840
cccgggccac	agcttggggg	cccgtcagtg	actctgtctc	caactgaggtc	aagtagagca	900
cgtctcaggc	agcaccctga	cgcaggaggt	ctgccgctgt	gctcatgttg	gtgggcactg	960
gagcctctgg	ggtctcttcc	agaggatctt	tgctgggaat	gcgcaggcag	cagggcaggg	1020
agatggggga	gatggagtgc	tgggagacca	agtcggacag	gctgccaaag	tagggctcac	1080
tggggcagcc	cttgatcttc	accccttttg	gcccagctct	gatgaggaaa	tggcggaacca	1140
gctgttccac	ggggtcccc	ttccagggtc	gggcactggg	tggcggtgtg	gccaccttga	1200
gggccagccc	ataagctcct	tggaatgaat	gactgtccct	gatcaggaag	gccccagggt	1260
ccttgtcctt	cagcagggca	atggcttggt	cacgggacag	gtgtggcttg	taccagaact	1320
tggatgtatc	ctggacaaac	ttgacattgc	tttggctctc	ttgtgtagga	ggctctgggg	1380
tttgggggac	attatctgag	agcagagggt	cgaagggtac	atggtgactg	atgcctctgg	1440
ctggcgatga	tgcctgctct	gggccccagg	gtcctggctg	ttgccccggc	ccgggcagggt	1500
ggcgtttctc	aggaagtggg	ggctggctaa	ggccattggg	gtcataggag	gcagccaggg	1560
ggaaagcagg	tgtagggtgag	ctctgaggcg	gctctgggct	ggccacaagc	cagggcatct	1620
gggaaggcac	aggagtggag	ggagacccat	ctgggctgtc	gggggggcct	cgagggcctt	1680
gccagggggc	gtggcgagg	ccaggaagtg	tgggtggcac	aggggtccga	ggactggcgc	1740
catctgagt	gccccctgga	ctcctttcct	gaggccagtc	actgggcgag	ctgggaggga	1800
aggtcggaga	gactgggcta	ggggccagag	gctcaggccc	acttcccgc	ggcagctcag	1860
gggcctttcc	ggtgcctgcc	tgggaaacag	ggggcaaggc	ctcgccagga	ctcagtctct	1920
gagtgggcgc	tgagggtggg	gacctggtgt	cctgtgcgcg	ggtgctttcc	ttgccctgga	1980
ctggactgct	ggtgtgcagg	ggcgtggagg	gaccagacaa	ctctgacgaa	gcactgcatg	2040
gggcatctcg	gggagaccga	ggcagtgtgc	tgtgccact	ggggccctcc	ctccaggaca	2100
ccggctccag	cgactctgca	gatgccaaag	gtcctgctga	ggccagggtc	ccaggccaatg	2160
ggtacctgtc	ccctccctcc	tccgtaggga	tctcgtagct	cagcttccta	gattgtggat	2220
agggcgggct	gccccgggaa	atggagccag	cccgtgggga	gtggggacca	gggctgggat	2280
accctctgcc	ctctcctgga	gagccacagc	tatgaggcac	acggccatat	gctgggcagt	2340
aactgggaac	tgctcctcca	tagctgtatg	tcaccagggc	agggtaacct	ggatgccc	2400
acctgccttc	ggggcacatg	gtgtaggagc	agccctcg	cccttcctcg	cctgccttgg	2460
gtggcttcag	gcagctgtag	tcaggcatcg	gggcatgggt	atgcccacag	gcaggcaaga	2520
gcagaggcag	cgggtgcccc	ggccgcactg	ggtgcaggag	aggcttgcca	gcctcacttg	2580
cccacccttc	tccagcctcc	ctctccagcc	gcagtccata	caaggctgct	gtaggcagcg	2640
ccagcttctc	ctcgagggt	gggcatgggt	atagggcagg	cagcccaggg	tcctccaggga	2700
tgaccacctc	ccggtagcct	ggggcgcggt	agccaaagtc	cccagtggtc	ggtttcccca	2760
tctcagggtg	gtaggggtat	agccctctg	acagcgatcg	gcagaggcgc	ctcttctcca	2820
tcgaggcctc	ggcgtagccc	tggggggatc	cctcatagcc	cccgtaggcc	agtcgcctcc	2880
tctccagggt	tccctctggc	cggtagtagc	ccccattggg	aaccccgag	ggctcccgg	2940
agccctggcg	gcaggagcag	tggcggctga	ggccaggcct	atggcctgga	tacactccga	3000
ggtggggggc	tccgcccaca	gtgggctgct	cttcgtcatc	taggatggcc	gtctcgcgcc	3060
cagctccccg	gccccactg	gccactccgc	agcctccatg	gaggcgatcc	agctcctgcc	3120
gttcagcagc	tgtagggggc	ggccggccag	gggactcagc	agccggctct	gtggtcagcg	3180
tggaggaatg	gcctgagtcg	ctgctgacag	agagcatggg	gggtgggtgga	ggctctggag	3240
agggtgccgg	gggggtctgc	cggggaggcc	gctgcacctg	ggcataagga	ctgccatcca	3300
ggggaccccc	ggtgtgggtc	aaggagccat	ccacactgtc	ctcgtgggtc	tggttgaagt	3360
tctcatagga	gtcccagcgc	acggctggct	cagtgggtgt	gtagtcgaca	gagaccgagg	3420
ggtcgttccg	tggagtgtctg	cctttgatct	tctcggggct	ggaggagaag	acaaactcca	3480
cggaggcttg	gaaggggaac	ctctcatcag	tccaggcctc	gtcaagctgg	tccttgggga	3540
aagtgagctg	tgggtccgtg	atgggtgcagg	tgtggaactg	gactcggaac	acgagggtcc	3600

09430725-012100

```
ggctctgtgcc ccggccaccc ttgtgataac atgttaccat gacatcgctt ttgaggagga 3660
gggctggctc caggctgatg caaagctgct ggggaccagg gcctgcaatg tgatagactc 3720
cagatgtgta gacaagctgc atggactggg agattttaag gaagggtctg aagcctgtgc 3780
caggttcaaa ggctggcagc atggggatga gcacatagtg caggaagaga gggctgctgt 3840
tcattctgat ggagccagat agcagcccac tgaagtagct gatataatcga cgctgggagg 3900
gctgcagttc tgtggccacc ttgtcctcgc agaatttccg catggtaaga gtggccagtg 3960
cctgggtccgc ccctgcagag atcttgctgt agtgcatgta ggcagaaacg atgaccccaa 4020
gcttgccctt gtttcccttg cagtatagta cgaccacgtg ctgtgggtca gactgagacc 4080
atgtctccat ggctttgcag atggagcaca gcttgctccag gggtaggagca tgcagctcag 4140
gccagccgaa gtcttgaacc ttgggggttta agcgggtcag gtcattgcctt ttctctgaaa 4200
ggttgaagag caggtaacttg tcccgggtgct tggattgcag cacatgggcc agctcgcgca 4260
ggtagggccc gtgcccgtgt tcatcgggcc gcgcggggaa ggcggcgcc aagatgcgct 4320
ccgtcacgta ggtgaggtct aagtcccagc gccgtccat gagcgggtcc aggtgaagc 4380
tctggggcag agtgctgcgc tgctttgagt ggttcagaga ttgtgtggat cccaggtgct 4440
ctatgcgcct gactggggcc gtgtttcgcc gcaactccac gggaggcaag gcctgacagg 4500
ctgaagtcat ctttgcttca cattttctgt gcgtcgccac ctgacagact ctgcacgaaa 4560
cgctgtccc atcgatggc accttacata ctgcacagac tggaggtttc ttccggaaaa 4620
ccttctccc gaagctatga ggctcagctt tcctaggctt catggctctc ctgggtctgc 4680
tctcgtgnnt tccacgcnct cngaagtggc ctcgattnnn nnnccccgg gnnccctccc 4740
c
```

```
<210> 4931
<211> 3034
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2522)...(1849)
<223> similar to gi2981435 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 4931
ttagttctta gaggaagagt gagacacaaa agaataagag acaggatagg taggaaggaa 60
accttagact gtgtgaatct attctttgct aacaacagac gctacaaaaa gttctcattt 120
gaaatatctt gtcaagctac agacaacacg ttttcttgac atgattttta taaaaaatac 180
agctgacata acagattaca tgaaactata cacaatgaca ttctctgcat agtaaccaac 240
actgatgtgt gtacttgaat ttttaaattg attatttata atcctttaaa gtgcaattta 300
ttgaaagggt taagcaaatac aggataaagg atcttttcta taaatgacta acattaaaga 360
gatgctatat tgatatattt agataaatct ttcaaaaatc ataattgatt tctatagatg 420
ccaaatttac ttctgttgta acaatgacct gccccctca aaccccaaac ttaattgctg 480
aggattaaga agatcctcta attggcaaga gctttttctg atgttaatat ttttgtctgt 540
ttcaatacat ctaactaaaa agaactatgg gtctagagta gttgctttag cagccctgag 600
ttctataacc acaatgggat tcctgttaga acttaagaga atgttgtgaa cgttcccat 660
tctatttgag gagaaaacaa agaactcagt tgctttctga tttagcaaag taactatgct 720
ttgggctata gtgttaattg ctaagataaa ggtagcaaaa attggagtta tctaagaatc 780
agaaaatgct ttagagaaat gaactgtaag aggaatgttt ctaggagctg tctgatgggg 840
tagaagggat tgcaacacaa aggccattta ctgctgtgat tgaatattgt cattgttttt 900
ctgtctattt ccttttagttg gtgaaaatat ttcaatatgc tgctgtccca aaagcctggc 960
cattagagga taaacaagac tcctttacag ggttaataaa ggagcaagat cttagggag 1020
```

caatgccagc	ctaactttat	tctgcttaaa	gaattatttc	tctcgaaaaa	gctgcttaca	1080
tgagcatctg	caaaatagta	ctgtttgtgg	ctgtactggc	tcagcaatta	ctttccccag	1140
gaagagggta	gtttgggggg	taggggtgag	taggaataaa	aaagaacttt	tccctccaag	1200
tgtaaacagg	aagcttcagc	cgatcttcgg	agcactgtga	tcacaggttt	tggctttcct	1260
caaagttcct	ttttggaaat	tctggatgga	gctgagcaag	gccccctcggc	tcatgcccct	1320
tcacagcctg	agacgagagc	tgggcaggtg	cctcggtgct	cgcaggaggc	aaggaggctg	1380
ctggtgggtg	tggagggtgga	ggagggtgag	gtaatgcaga	tatccctgat	gtagaggggtg	1440
gagttggcga	tgacggggac	gtgagaggtg	agctggcccc	agatcctgct	gaattatttg	1500
agttgctgta	cttcgctgaa	tgtctttcac	tattttcaag	agcagatcgt	tttgacttct	1560
ttcgagctaa	aatctttctt	ttttttcttt	cctcctcaga	tccatggtgg	gactgagctc	1620
ttgtcagctc	tcgatgctgg	tgaatctggt	tctgttcctc	aattagtctc	ttctctatac	1680
attctttggc	aattctcaat	gcctctttta	actttgtagg	gatcttaaac	tgtggttttt	1740
cagaagtggg	tagtaaaaaca	tcgctgaata	atggcatctg	taagagccgg	gagatggtag	1800
gcatgccatt	tttacaggct	tcacaagaca	gcctagactc	caacacggcc	accacagcca	1860
tggacggggc	aggagggaag	gagtccacag	gcaccgagtc	tggcggtcgt	ccataagtca	1920
tttcatacag	taagtggcca	aagcagtgga	catccacact	ttccaatgta	ttgattttcc	1980
tgaattgtga	aaaataagat	cggtagaagg	aaggcaggcc	caataaggaa	ttctcaaggt	2040
ccagcagccg	gcaagtgtcc	ccatcgagca	tcacattgga	ggcgtgaaga	tgcccataag	2100
ggaatccctt	gtcatgaaga	aacttcagta	cctctaatat	ttgccgtcca	tatgttttta	2160
tttgctggag	ttccaggccc	tgaatcttct	tagggttgca	gtacttcttt	agaaatgggt	2220
cttttggttt	tgccttgtag	atcagatcct	tcaatgttcc	cttttcgtta	aacatcctaa	2280
ttagcaacgc	tgaggattca	ttagctgtgg	caaaggtaac	ccgatagatg	taagggtgca	2340
aacaagaagg	cagaagtttg	attagacact	gaaaatcttt	atctgacaaa	tacttgtctg	2400
ggccaagggtc	agcccagctt	aacactagcc	gttccttttg	ctgattttta	atcttcatca	2460
agaaaatattt	cttccttatt	ctccaacctt	tgtctttcaa	aggttccacc	acctccact	2520
ttggttctga	tcggaagaac	atggaaacct	gttgcaaggc	aatctcagta	tagtttgctg	2580
aatagttggt	tggatctaaa	aacttcttaa	ccagctcaca	attagacaag	atatgatttg	2640
ttgtgatcac	gttgagatag	ttctgaagac	ctttctgcct	ttcagctatg	aattcacgat	2700
ccatgttacc	aatcaatttt	ttgggaggaa	gaggtagact	taggcctgca	atctgtaagc	2760
tgttggttaag	caaatacaag	tcactgtatc	ttctaacaat	ctgccagctg	ttttccacag	2820
aaattcctct	ttgcactcga	ataatatatt	ccgtgtggga	ctgcaggctc	tggctcgcct	2880
cgatggctgc	tgtcagcggc	accgtgtcgt	ccagcagcac	cttgccggct	ggcggcttct	2940
ccatgaaggc	catcccggga	cgccccggccg	ccgcccgccta	gggacgcgag	gtaggaacct	3000
gaggcgccga	ctcccggcgc	ccgcccggac	gaaa			3034

<210> 4932

<211> 1461

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)...(248)

<223> similar to gi2290725 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4932

cataatagcc	atcgacttcg	gggagcaggc	cttgaaccgg	ggcattgctg	ctgtcaagga	60
ggatgcagtc	gagatgctgg	ccagctacgg	gctggcgtag	tcctcatga	agttcttcac	120
gggtcccatg	agtgacttca	aaaatgtggg	cctggtgttt	gtgaacagca	agagagacag	180

gaccaaagcc	gtcctgtgta	tgggtggtggc	agggggccatc	gctgccgtct	ttcacacact	240
gataggtgag	gccgccgacc	gccactgacg	aatctagctt	tggcaatttc	ttatttccttt	300
tcattgattt	aaatgtattt	attgagataa	gtggtttctt	cactaattat	caaagtgttc	360
ttatgaaatt	ttcaggggat	agaaggaaa	cgcttgtgct	cctagcttaa	gacaataatg	420
tgttttttct	ggggagctgt	agttttgtgt	ctctgattcc	caaagtgaaa	agcagtgttt	480
tcattagtag	gcgattacat	ctaggaataa	catttggtta	ggccaataaa	atagcagggtg	540
ctttcgttag	agatatgtgt	gcgtcattgt	actgggtcat	taaatcttaa	gaataaaaaat	600
agaatgactt	atttagaatt	aatgcttatt	agcagtgaga	acaaatgaca	gattgtttcta	660
tttattaatt	tgttctagga	tcttattcta	ttttattcaa	agacaagact	aatgctcttt	720
gtgatagcat	tcctttcccc	atgaaacaac	aggaaagctg	tatccatacc	atacagtgtac	780
tggccctccc	agtttaaccc	aagacccctt	ggaaaagcag	ctctccttca	gggctggagt	840
tcctgctgct	gctttcttgg	tggggataaa	agccttcagg	ccatgacttc	cgctgtggct	900
ttaaaacagc	tttgcttacc	tggcataaaa	attgagtggg	acctctactg	aaaccagtta	960
cataaaacac	tgtgaatgac	acttcataaa	cccattgtgt	accttaaaat	tgttactgat	1020
tgtttaagac	gcgtgactgt	cagtgggtgaa	taaagggaacc	aaaagattaa	cccagaccgt	1080
ttacagtgtg	tttgcattgg	agctaattgct	tactcacata	actgcgaatc	tgaaagttaa	1140
taaggtaagg	cctttgtggt	tttccttttt	aatgtgacat	aaaattttgt	gctaagaaca	1200
ttgtggaaga	gagcgcacat	gctgatggac	cagacattca	gccaaagcgt	tgatattgat	1260
cctttaattt	gtgctcagag	cttcagggca	tggagttaaag	aggagctgcc	tctcattttcc	1320
tcagtttatg	ccctgaaggc	taactgtgga	ctgagtattt	gcacatgtac	ttgtatttga	1380
agtaaatctt	tgctacattt	gacctgagcc	attttcaaag	aatacatgta	cagtatttgg	1440
gaaaaaaaaa	aaagtcgacg	c				1461

<210> 4933

<211> 1065

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1066)...(478)

<223> similar to gil322603 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4933

gaatccctat	gttaaaccgg	tggttttctca	tgaattagat	cataatttaa	cattgtaaaa	60
tttcagaaac	tattgtgcta	atatttagat	ttcaggaagg	aatcagacta	aatcaattac	120
ctccattcat	tgttagaaca	gaagatataa	tagcttacta	actgatatga	gttatgaatg	180
tcactatgac	acaaaatttg	ctgtgatttg	ctaactctggc	tacaagtgca	gtatttttca	240
tgaatgacaa	cacacagcat	ttccaacttg	taacatgaaa	ctccagctca	taaagagtgt	300
attgtgtgac	ttgaaaaagt	ctgattgtaa	ctaagtaaca	accgttcccc	tgaaaaaacg	360
aacaaaatcc	attaggaaat	caggcacaga	cggatttgat	cggtttttct	tcctttcctc	420
ctgtggtttt	gtttctcaag	acatatagggt	ggttccaaca	gaagccaaca	cttgttacaa	480
aataacacag	ctattttttt	ccttttcttt	ttctttatct	ttttctcgtg	gttccttcog	540
tttacgttca	ctattcccag	attgtcttcc	acttgatgga	gaggcttgtg	ctggctggcc	600
ctgctgagcc	tgtgtagaag	cagcagcagc	agcagctgct	gcttgttcct	gttcctgata	660
gtattgagaa	gcccgctctgt	cctcttctct	ttggagtttc	tttgctagtt	ccaaatcact	720
gattccttcc	gggatttgtt	cccaattgat	ctcttggtct	tgctgttctt	gtttagagaa	780
taatgccata	agataatcct	gatctatctg	atcttgttgt	cctttgtata	cagtttcagg	840
atctgaagga	ggtcgaagat	gaaattctga	gtcacagaaa	tttccatcac	catctacgtt	900

gtgtaggctt	tcccaaacaa	ctttctcttc	agtaagaaac	ccctgggtccg	ttaccaacaa	960
atacagttga	cccttgattt	tggtcatggt	gctaaaatga	ttattccgaa	agaacacaca	1020
aagttctcct	tcctgaaccg	ttgaagttag	ttcacataat	ccatg		1065

<210> 4934
 <211> 1062
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1063)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (48)...(513)
 <223> similar to gi3877201 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	4934					
gcaagggccg	cagccagcac	cgggcgggaga	gggctacat	ggggaaaatc	gcgctgcaac	60
tcaaagccac	gctggagaac	atcaccaacc	tccggcccgt	gggcgaggac	ttccggtggt	120
acctgaagat	gaaatgtggc	aactgtggtg	agatttcgga	caagtggcag	tacatccggc	180
tgatggacag	tgtggcactg	aagggggggc	gtggcagtgc	ttccatggtc	cagaagtgca	240
agctgtgtgc	aagagaaaat	tccatcgaga	ttttaagcag	caccatcaag	ccttacaatg	300
ctgaagacaa	tgagaacttc	aagacaatag	tggagttaga	gtgccggggc	cttgaaccag	360
ttgatttcca	gccgcaggct	gggtttgctg	ctgaagggtg	ggagtcaggg	acagccttca	420
gtgacattaa	tctgcaggag	aaggactgga	ctgactatga	tgaaaaggcc	caggagtctg	480
tgggaatcta	tgaggtcacc	caccagttag	tgaagtgtgc	atccctcttc	cttcccagtt	540
gcccttaaga	actgagaaa	gacaaagtac	tctaagcagc	agagcccaca	gaggctcggt	600
cctttgacct	ttgtctcctg	gtggctatac	gaaaccttca	caatctgcat	gctggacttt	660
attacagctt	cccaagcccc	atcaataaag	cccctgttca	cgctgcactg	gtgcatgaag	720
gtgaagtaag	gaggcagcta	ctccctccac	aaataagaat	tcgtgcagca	gcagttcact	780
ccttaggaaa	atgaagagta	tttttaagga	gatggtatct	ccccagtcaa	gggcaagttt	840
acagagatga	aaccgcgatc	ccaccatcac	tcaatgagcc	agaagccaat	ggtgacgtac	900
tgttacctga	acttactgaa	cttgctgttg	gaaagatctt	tgtgaggatt	aggaattagg	960
ttaaaagaaa	ttaagaacca	tcttcaagca	aaaattaaac	tttatttctg	cttaaacaaat	1020
aaatacacct	gagttagagg	cnnntcaaat	gctaatacat	ct		1062

<210> 4935
 <211> 5451
 <212> DNA
 <213> Homo sapiens

<220>

09483725-042100

<221> misc_feature
 <222> (2)...(1025)
 <223> similar to gi3413920 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4935

tccaccgccg	gagcctcgcc	ttcctttctc	cctctgcaga	cacaacgaga	cacaaaaaga	60
gaggcaaccc	ctagaccacc	gcgaaggacc	catctgcacc	atgaccgaga	ccaccaagac	120
ccacgttatc	ttgctcgcct	gcggcagctt	caatcccatc	accaaagggc	acattcagat	180
gtttgaaaga	gccagggatt	atctgcacaa	aactggaagg	tttattgtga	ttggcgggat	240
tgtctccctt	gtccacgact	cctatggaaa	acagggcctc	gtgtcaagcc	ggcaccgtct	300
catcatgtgt	cagctggccg	tccagaattc	tgattggatc	aggggtggacc	cttgggagtg	360
ctaccaggac	acctggcaga	cgacctgcag	cgtgttgga	caccaccggg	acctcatgaa	420
gagggtgact	ggctgcatcc	tctccaatgt	caacacacct	tccatgacac	ctgtgatcgg	480
acagccacaa	aacgagaccc	cccagcccat	ttaccagaac	agcaacgtgg	ccaccaagcc	540
cactgcagcc	aagatcttgg	ggaagggtgg	agaaagcctc	agccggatct	gctgtgtccg	600
cccgcgggtg	gagcgtttca	cctttgtaga	tgagaatgcc	aatctgggca	cggatgatgcg	660
gtatgaagag	attgagctac	ggatcctgct	gctgtgtggt	agtgacctgc	tggagtcctt	720
ctgcatccca	gggctctgga	acgaggcaga	tatggagggtg	attgttggtg	actttgggat	780
tgtggtggtg	ccccgggatg	cagccgacac	agaccgaatc	atgaatcact	cctcaatact	840
ccgcaaatac	aaaaacaaca	tcatggtggt	gaaggatgac	atcaaccatc	ccatgtctgt	900
tgtcagctca	accaagagca	ggctggccct	gcagcatggg	gacggccatg	ttgtggatta	960
cctgtcccag	ccggtcatcg	actacatcct	caaaagccag	ctgtacatca	atgcctccgg	1020
ctagcagccc	ctcgtcctcc	ggcaacacaa	tggcccctcc	atctttgtca	gccccctgtt	1080
tctctcctgc	ctctctgttt	ctccatctcc	tctctttgac	tgttttccct	acttgcctgac	1140
ttaaccccc	atagtgtggg	ggacctgcag	agaaccatgg	cattccctat	tccacagtca	1200
tctttggaca	gactttcctc	tagtctccgg	ggtgggggtg	ggtgagggaa	tgggggtgga	1260
gtcgggggaa	gtgcagtcct	tggagatgta	ctggtgtccg	tctcccagca	tgctctagag	1320
aggcggctct	ggtgcccatc	ctcccagcac	gctctgggga	ggcggctctg	gtgcccatcc	1380
tcccagcatg	ctctagagag	gcggctctgg	tgcccctcct	cccagcatgc	tctggggagg	1440
cggtctctgg	tcttgccctc	ccagcatgcc	ctttactaca	aagggtctatt	tttcttttct	1500
ttcttttgtt	tatttatatt	tctttgttca	ctccctgtag	aacttggatg	aaatcagtgt	1560
ccatggttct	ttatgtttgt	agtcttgatg	tgctcctgtg	gtattacttc	ccctctgata	1620
ggacattgta	gccagcctca	gcactcagtg	agttcatcag	ggccacaccc	agtagagaag	1680
gccaagcaac	ctccacttct	tcagcaccac	acacacgcac	acacacacac	acgcacacat	1740
gcgtgtgcac	ccgcgcacgc	acatacacac	acacatatag	cagtagcagc	agcagcagca	1800
gcagcagcaa	cctttgatca	ggagtgcagat	tttcgggttc	tgaaacctgg	gacacgagtc	1860
tgtgaatagt	cggttttctc	agaataattt	gaatctgttt	tcttagtttt	caaataacca	1920
tttccctgat	gctctgagct	tatgatcaca	cagagccagt	ccatcctcat	ttcctggtgg	1980
catctgttca	tttacctttg	tggactgtag	ctgatggcac	agtgcggggt	ccctaccagc	2040
caggggtttc	caagggacct	ttggaggcca	tgcttagaca	cattcctgta	cctgagaaca	2100
accacatagg	caggaccaga	tccacatcgt	gcagtcgtgt	cataaaaaaa	caaaacaaaa	2160
caaaaaaaca	ctaggagtcc	actcaaccct	ggaggtcctt	gctaattgga	attatgtatt	2220
gtctgttggg	ctgggaaatg	tctctttcat	attgtaagtc	caggatgaac	taggagaaag	2280
caatttgttg	ccctgatgat	aactgatgat	tttcaccctc	tctagctgag	gtaactcaga	2340
cagtgcattga	ggtcagtttc	ttcttgagaa	gcagtgcctt	ggtcctgttt	ctgtggttgg	2400
ttctagcccc	tgagagacct	gggagctgca	ggaactgtct	gagaaaatct	ccctaataag	2460
ggagtggggt	cccagaaggg	agatctggga	ggggtcagga	gccactaagt	tgcttcactc	2520
cttttttctc	taattttcta	ccttcctctc	tgctcctgca	gacagttttg	cccagctttg	2580
cttctctggt	actagggctc	caggcgtgtc	cctgcttgga	gagcccataa	ggaaattgcc	2640
tgtcttgtgc	cttttgtgtc	ctcatccagt	ctctggctct	tgggattctg	gtctttgaga	2700
aatagtcctt	gagtattagg	atacttttat	caaaatctag	taccagctac	ggccaggaaa	2760
gggcccagg	gggacctgga	aaggcaaaag	acaatgttct	tttaccacac	gttttcacat	2820
ctggcaacat	ccttcaattg	cgggaaaagg	aacttgattt	aacagaagaa	catggtagag	2880

09450723-013100

cagcatccag	aaagtctgtt	attcctcttg	gattttttga	aataatcttc	agaggaagga	2940
aggaaaatcc	tattttgggg	tatcagtgtt	tgactaggga	tcatgaaata	ataaactgaa	3000
aaaaacttta	gagttcagtt	gatccaacac	tttcctttaa	aagttgaggg	agcagaggcc	3060
catgggatta	aatggctggg	ccaggtcagc	cagcaggtgt	agggcctgac	aagaacatat	3120
tgtttccctg	acccttaggc	cgtcacacca	caccctccat	ttcctcatgt	tgctgaccag	3180
gtgcccatat	gattttctaca	cttcccaagc	cttaccctgg	catctttctt	ttaaattata	3240
tctgtcccag	gtgctctcca	cacataggat	ggtaatgcca	gtcccagggg	aggggtgtgat	3300
agtaaggaag	gccactgtta	ggtttccttt	agaaataaag	agatctcagc	agcttggaag	3360
aaatcccaga	agcgggaactc	catcaatcca	agaaagagtt	gctttgtgga	aggtgaagga	3420
agaccacag	agtgtctcagg	atgatgctat	tgctggagag	cgaaagatgg	aacagccttg	3480
tccaggcaga	acagtcataa	gccaggaaat	gaaacaaagg	aaaacaggtg	cctgaatttc	3540
ctggggaaac	atggcttggt	taaggacttg	gagttatgga	tggaatttat	gggacccacg	3600
tgagcagacc	tgaggaaggc	tcgatttctt	ttgtttcttg	gtccactctg	tcactctgct	3660
ctgggtcaagc	cccatttggt	ctacagccca	tgagaaggaa	tgaggctggt	tctgcactct	3720
cagcatgcag	tccgaaagca	tgtgggagtg	gggagggaaa	gtgagatgaa	ttaagacaaa	3780
gaacaggtgc	catagaagta	gattttctagg	aatgaagtgg	ggcagatctt	atctttgtgg	3840
attacaggca	ctgtactaaa	aacaggtttc	ctatttaata	taaaaagaaa	gtgaatcttc	3900
ttttggatag	aatcatccat	tcccatcgcc	gcaccccccta	ccccccaaac	acacacacac	3960
acacacacac	acacacacac	acacacacac	acacacacac	gccctacttt	ttatttgcta	4020
ggggaagggtc	acagcacaac	taaatccagg	acaggacatt	gtgaccatga	cccccccaca	4080
gtcaatacca	gaaagatgat	tcagagtctg	aaggggcgcc	ccaggtgcca	acaagataac	4140
ctctaccccc	cgactttgtc	tctgggggtcc	tgtttctttc	tgcaaagccc	aatccaagac	4200
tggcatggct	cagaggttgt	gagaaaggca	tggactggaa	caatcatgtc	cagaggggtc	4260
tggagctttg	tttctgtgtc	accagcaaaa	aatgtctctc	ccatttttct	gaaagtggct	4320
gatgtaagaa	caggcagaag	gaaaaccctt	tttgtcaata	actctgtcct	taaggaatgg	4380
tcctctggga	gggctgtgct	gctagtgggt	acctcagtca	cacaccccca	accccaggca	4440
gcctctagag	ccttcttgct	ttcattttcc	ttgaatgtac	ataggaacaa	gggggaaagt	4500
ctcttactga	agtgcctgaa	acccaaagct	agagcttcta	gagacgccgt	tcttctgtc	4560
tcagcttggc	cagcctttca	acaatgttct	ctagtttcaa	gctccagctt	ctcagaaaga	4620
attaaagaac	ttgctgttca	aattaagtag	aaagtgagac	tcaataataa	ctgaactaca	4680
gcaaaaaggca	gagaattaca	gggagaaaaa	acttgtactt	accagcccaa	ttctactctc	4740
ctcaaaactga	cacacacaca	cacacacaca	cacacacaca	cactcttttt		4800
tttaggggac	taagagagag	aagcatgtta	ttacatttta	ctcatccaaa	cagtaatgca	4860
aaaataaaac	ggtagaatat	gaaaagctca	ggatctctcc	caaggctacc	tactgcagga	4920
gggccaacag	gtgagatggg	agaatggaa	acagggaccg	attttgtagc	tcatacaatt	4980
aggacacctt	aggaatagca	ttgtagtaat	ggtgatgaat	atgctctgcc	aaattcatcc	5040
agtctgcacc	atcttatagc	tgcccagcac	actcgactgt	tcatgtgggtc	tctttgtagt	5100
gtgagtttgg	agtgtcctat	tagcctgttc	tggttaggaa	tgagttaacg	gctctttccc	5160
tcaaccttag	tctagtccca	gggctgagga	ttcagctgga	tccacatggg	tcttgaaggg	5220
ttggcattga	aggaaggggg	aagctttttt	gaatcgcttt	ttgatcacat	aatctgccat	5280
tttaagagta	agatttgctt	tatggaaatc	aattcattaa	taaaaaatga	tattcaagtt	5340
gcaataccat	ttcacagtga	aatattttga	gtacaatttt	gttgctagaa	tagtcatggg	5400
caagagtttt	atgcaaaatg	tttcaattat	gttaataaat	aagacaatgc	t	5451

<210> 4936

<211> 2309

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (74)...(856)

<223> similar to gi6018317 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 4936
agacgacgat ttcgtggcgg tgcagcttgg gcggccccagc ggatcgtgcc gcgggcggccg      60
agcgcagcta caggaggggtg tccagaagcc acaagccatg gctgtgggga acatcaacga      120
gctgcccagag aacatcctgc tggagctgtt cacgcacgtg cccgcccgcg agctgctgct      180
gaactgccgc ctggtctgca gcctctggcg ggacctcatc gacctcgtga ccctctggaa      240
acgcaagtgc ctgcgagagg gcttcatcac tgaggactgg gaccagcccg tggccgactg      300
gaagatcttc tacttcttac ggagcctgca caggaacctc ctgcacaacc cgtgcgctga      360
agaggggttc gaggctctgga gcctggatgt gaatggaggc gatgagtgga aggtggagga      420
tctctctcga gaccagagga aggaattccc caatgaccag gtcaagaaat acttcgttac      480
ttcatattac acctgcctca agtcccagggt ggtggacctc aaggccgaag ggtattggga      540
ggagctgatg gataccacac ggccggacat cgagggtcaag gactgggttcg cagccaggcc      600
agattgcggg tccaagtacc agctgtgcgt tcagctcctg tcgtccgcgc acgcgcctct      660
ggggaccttc cagccagacc cggcgacctat ccagcagaag agcgatgcca agtggaggga      720
ggtctccac acattctcca actaccgcgc cggcgctccg tacatctggt ttcagcacgg      780
cggcgtggac actcattact gggccggctg gtacggcccg agggtcacca acagcagcat      840
caccatcggg cccccgctgc cctgacaccc cctgagcccc catctgctga accctgactg      900
gtaaacaact gctgtcagaa aagggctggg cttgggaagg ggaggtggag gccaggtgtc      960
cccagacctc taaccttgc ccctagcagc ctcttctttg tggagcctct cagtgtgggc     1020
agccctcgca tgctggggtc gggccagctc tccccgaaag gtcttgacct gaatgatggc     1080
cggggaagcc tgctgttgcc cttttcagag acggagcacc tgagatgtgg gaggtgcagc     1140
atgttccccct gggccccctca gaaagtcgag cttggaggcc agcctggatc tgtctctccc     1200
ttccccctct gggaccattc tacctgtgtt ctttgaccct cggagcaggg acaggcaaga     1260
caactggcaa gcttgcagct gccctgatgg tgcaggtgca gggaggtgac catgtaactc     1320
tgaccaatct ggggaagtgga ggggtgggctc atgggccgtg ctctgccccct gtctgctgct     1380
cccagtcctt cgctctgcct gcctgctcag aagaggtggc tttggcccag aggctcaggc     1440
cgggactgag atggacagac ccagggtggg gtggggtcca ggttgggtgt ggactgtcct     1500
cactgtcagt ggagccccag aagctagatg ggtaccagggt ggggttaggt tcccagagga     1560
ctgagggaat cctgtacagg atgtcccagg gtagatgggg agcaggattg ggacctgctc     1620
tgacagctgg acacatgagc cctggatgag tatggtaagg gggtttgaag aatccccctgt     1680
ccacctccca aatccaggcc cggccccctc tggtttggag agcattccaa gccccacccc     1740
cacccttaga actgccattc ccaagacctc tgtctcccag ccaaccaccc ttggaacttg     1800
cctcttgtcc tgctggaaag atagcagtggt tctcctgact tcgccctact gcatgcagcc     1860
aaataaaaagg tgtgcccagc ctaacctgtg ccctgtgggt tctggaagga aaggcagact     1920
ttaggtggtc ctgcctggac ctgcagatgg tacaatggca tggcttctgt ctaaggtaaca     1980
gaggggttgg catctcagga cctaggccat cacagaaaca ggttcatggg cagccccctc     2040
agtgaactgc aggtatctca cctggcagcc gtccagtact gctggcttcc tctggaggcc     2100
cagccacagg ctggggttgg ggtgtgtgga catctctggg cagctcttga gtccaccttg     2160
tgccagatca gcagtgccac ccaggctctg cctcctgggt ttattctttg ccaacagctt     2220
tacggccatt ggatgaagcc gccccacttt agaatggtgc ctggcacacg gctgggtgca     2280
aatagcaaaa gctttgtgtc cccccacg

```

```

<210> 4937
<211> 1035
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```



```

ggcgagagtc cgagctcatc tatgtcttca agcagcagaa cctggagcag cgccaggctg 720
atgtcgagta tgagctccgg tgcctcctca ataagccaga aaaggactgg acggaggagg 780
accggggccg ggagaagggt ctgatgcagg agcttgtgac cctcattgag cagcgcaacg 840
ctatcatcaa ctgcctggat gaggaccggc agagggagga agaggaagac aagatgttgg 900
aagccatgat caagaagaaa gagttccaga gggagggtga acctgagggc aagaagaagg 960
ggaagttcaa gaccatgaag atgttgaaac tgctaggaaa caaacgtgat gccaagagca 1020
agtccccag agacaagagc taacagcacg agaagccagt tggggactgc cccctcctgg 1080
agcagctcct gggctgtgct ctgtttgaag ggggcgcctt gctcccctca gatcagtcag 1140
gaggaagatg actaagggga gggatcctct ggggtgatggc ctcttcctcc tcagggacct 1200
ctgactgctc tgggccaaaag aatctcttgt ttcttctccg agccccaggc agcggtgatt 1260
cagccctgcc caacctgatt ctgatgactg cggatgctgt gacggacca aggggcaa at 1320
aggggtccag ggtccaggga ggggcgcctg ctgagcactt ccgcccctca ccctgcccag 1380
cccctgccat gagctctggg ctgggtctcc gcctccaggg ttctgctctt ccaggcaggc 1440
cagcaagtgg cgctgggcca cactggcttc ttctgcccc atccctggct ctgagtctct 1500
gtcttcctgt cctgtgcagg cgcccttgga tctcagtttc cctcactcag gaactctgtt 1560
tctgaagtct tcagttaagt ttgagtttat gactgagtgg cctgtactgt cagacgtgaa 1620
tgggcctgac gggcaa atcc atccctctct ccctcacagt tccaggagcg gcttccctcg 1680
tctcccctta ctccacagg agcctccctt gccaggacca gggctgcgac ggccatgctg 1740
gggcagggtga gtgctctgtt agctgctccc agtgctgtcc ccaggctgca gttctgggtcc 1800
ctgggtgtca ggtaggaagg gtgcacttga agcagggtgct catctcggtt ccttaacggt 1860
tatagtctga cccctcactt aggcctttct ctgccacccc ggtccaggga agaggctcgc 1920
tcccgcccat ggtcatcact ggtctgtctg ctctgttgtc tgttctttcc ctgactccct 1980
cccaccgaag gcctgatggc tactcacccc tctgggatgg ctatgggaga ggaggagtga 2040
tggggaccgc caccttttct gcaggaaatg tgcccagcag ctcttggtca aagcactgtt 2100
gctataagct atctctggga tgccctctagg ccccttccc tctacacacc tctgggaaaa 2160
gattacactg tattaactct cgaggagttt cctcaccaat aaacagacaa cctcaaaaaa 2220
aaaa 2224

```

```

<210> 4939
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1171)...(101)
<223> similar to gi473431 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4939
tttttttttt ttcaagtgtg gtcacagttt atttctgatg tggctgaatc tagggacagg 60
cgggctgggc tgagtggggg gcgtgtcggc gatggggcta gaactccacc ttgcaggccg 120
ggaaggcgtc atcctgcatg gacaccatgc tgttgctgcc caacaccgtg atgcccagcg 180
cctggtgccg ggcgtgcgtc tctgcgtacc acgtatgcat ggccaccgag tcgaaagtgg 240
ggatcagggt cacctgcagg tcacgggtccc aatgctgctt gctggccagt agcgcgtcca 300
ggacggcccc catgccttcc tccttgcgct ggtcctggcc actgatgacg tagcagagcg 360
cgcgcacgcg ctggaagaac tcctcatcca ccagggtgggc gctgctcccc ctgggcagggt 420
aggccaggtc caggtagacc ggggacttgg gtgggggtggc tgacaccccc ggccgggtgc 480
tggctgaccc cgacgggcct cgagtggcag tcttgggggt tgaggacttt ctggacaggg 540
gtgcccggcc tcccttctca ctgggctcac tccgggcact gagtgggtcgg ctggcacggt 600

```

2025-03-10 10:10:10

```
<220>
<221> misc_feature
<222> (546)...(748)
<223> similar to gi4098993 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

3556

<210> 4941
 <211> 747
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(748)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (711)...(390)
 <223> similar to gi3023044 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4941
 tttttttttt ttaatcaggt gaaaatattt tattttgacg tgctttttct tgagtgcctg 60
 aatgtggtgg ctcttagggg aaccccagaa tcctcactgc ggcaacaaga cctggccacc 120
 accctcacct cgaccaccac ggccttcgct gcagcccac tctgactccc cgggggctgc 180
 tcacgtgcca gcaccactg gccaaagcat ctccggcagg acccaagtcc tctgtattca 240
 gaggccgacc ctgctttcca gagactcacg aggtggcaga gagtcaggct gtggcagggg 300
 cccctgtgta tcgaggagag gaggaagagt ctgcagaggt ttctagggaa ggagatagtg 360
 tggaaagtgc tgtggctctg gtccctgcctg ggaggagatc tacaggggag gggcctggcc 420
 ttgggctggc cctgccctgc gtgggatctg tgccctgcgt gggatccctg ccctgtgtgg 480
 ggtgcgtggg gtctgtgccc tgtgtggggg gtgtgggggc tgtgccctgt gtgaggtgcc 540
 tgccctgtgt ggggtgtgtg ggggtctgtgc cctgtgtggg gtgcgtgggg tctgtgccct 600
 gtgtgggggt cttgggggtct gtgccctgtg tgagctgcct gcccctgtgt ggggtgcgtgg 660
 ggtctgtgcc ctgtgtgggg tgccctgccct gtgtgggatg catggggant tccccgcact 720
 ggacaactat ctacaaangg gggggggg 747

<210> 4942
 <211> 1641
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (72)...(342)
 <223> similar to gi3047103 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4942
 ggaattcgag gaaactagag ctggcagaaa ggggtggacac agattttatg caactaaaga 60
 aaagaagaca atcaagtgcg aaggaaaatg actcaggcac ttgggacacg gtaggcgctg 120

tggttggtga	ccacgaaggg	aatgttgctg	ctgctgtctc	cagtggaggc	ttggccttga	180
aacatccggg	gagagttggg	caggctgctc	tttatggatg	tggtgctg	gctgaaaata	240
ctggagctca	taacccctac	tccacagctg	tgagtacctc	aggatgtgga	gagcatcttg	300
tgcgcaccat	actggctaga	gaatgttcac	atgctttaca	agctgaggat	gctcaccaag	360
ccctgttgga	gactatgcaa	aacaagttta	tcagttcacc	tttccttgcc	agtgaagatg	420
gcgtgcttgg	cggagtgatt	gtcctccgtt	catgcagatg	ttctgccgag	cctgactcct	480
cccaaaataa	gcagacactt	ctagtggaa	ttctgtggag	ccacacgacg	gagagcatgt	540
gtgtcggata	tatgtcagcc	caggatggga	aagccaagac	tcacatttca	agacttcctc	600
ctggtgcggt	ggcaggacag	tctgtggcaa	tcgaagggtg	ggtgtgccgc	ctgggagagc	660
ccagtgaact	gacccttcag	gctgagtgtg	aagcgtctca	gaggcatttc	agaacctgag	720
cttttggggg	tttttaactg	aagttggttg	ttttatcttt	cttgttttat	aattcctatt	780
gcaacctcgt	gcactgctcg	agacacaagt	gctgctgtag	ttagcgctta	gtgacacgcg	840
ggcctttggg	gggtgagcgg	gactgtgtgt	gagtgtgtgc	gcgtatgtgc	gcacatatgt	900
gtatgtgtgg	agtatgtgtg	tttgcttctc	cgtggatgaa	atagaaactc	ctcattgtgt	960
gaccaggaat	ggttaaatca	tctttacaaa	atgtgtgctt	taactgttta	caagtaaaac	1020
ctaaagttgc	aggaaacatt	ttttatttctg	ttaaagaggta	ccaactgtcg	ctgatgtgat	1080
atgtcagaac	tgaagagtaa	atctacttgt	ttaaatgact	tgacagtggg	agtgtctccat	1140
ttaataacag	taataagtaa	taaagtgttt	ttatttggtta	accagtttta	gtggatcctg	1200
tggttaactta	aactgttgtt	ctcatccctt	atatggggca	tttttcttta	acaaagaatg	1260
gtttcagtga	aacaatctag	cagagaatta	atgtcagaac	cttttttaaat	aatagtctga	1320
ttgatacagt	ttgtacttat	ttcatcaagc	ttttctaagc	ttaaatattg	catagcttctg	1380
agctgtatgg	actatattat	gaaagaatat	gtaaagagaa	catacagtaa	tgacaggtcc	1440
ttaatttgtg	tataatggaa	agttattttac	aatataacac	tgtaaataag	aaagcaaagt	1500
ttatgggaaa	attcaatatt	atctttgttt	ttgttttaaat	atatttttta	gataaaggca	1560
caaaaataaa	agaagcgtat	tactgggtat	agtatgtgac	tcctcttctc	agactaataa	1620
attatctttt	gaatccttaa	a				1641

<210> 4943

<211> 1558

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1475)...(886)

<223> similar to gi5649176 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4943

ccacctcaga	gcaaccacag	ctgggcggtg	ctgttcgacg	ggcagagcgg	ctgcatctgt	60
taccgcccgtg	aggagacca	ggtctgcttc	ctccgcctga	tggaggacag	tgatcgggag	120
accctgcggc	tgctggtgga	tacctccaag	gtccaagagg	cttgggtccc	cagccaggac	180
accaccaca	cccaggagct	gctggcagtg	caggggagcc	tcgaagtggg	ccccgccag	240
gcgggggctt	tggtgcagcg	cctgtgcatg	aggaccccca	tctactgggc	ccggcgagca	300
gaggggcccc	ggagacagcg	gctgatttat	ctctgcatcg	acatctgctt	cccagcaaac	360
atctgcgtgt	cggctctgctt	ttattacctc	ccagactgag	cccccgacct	ggcccagcct	420
ggcccgtccc	caatccagtg	ggctggccag	gccacctgca	ccaggaggga	cagctgctgg	480
cagggactaa	taaacccttc	cacctggcca	tgggtgggtg	gttctctatg	gaccgaggcc	540
ctgaaacgcg	ggcagggagg	ggcagagaac	gcactagctt	gggggtgggc	accagcctca	600
gacccctcag	cagctttggg	ccctcggccg	actttcccag	gcagtgcag	ctagcccagt	660

caggagtggt	gcagcctggc	ttgggtcgag	ctctgtcaca	tctggataag	caactggggg	720
ctgagagtcc	cagggcagcc	tggcccagca	ggtcaaggcg	ccacaggggg	ccatcaggtc	780
cagctggcgc	aggccggcag	gggaggggtct	gctctgacct	gggtgctgca	tgggtccctc	840
cagctgccac	cacctgcacc	aggcagtcct	gaggggtcac	aggctagccc	agcacactgt	900
cattgaaggc	caggcagaca	acagccttct	ggtggccgcc	atactctctc	ttgatctctc	960
cagtctccac	acaccagagc	cgggccaggt	tgtccgagga	agcagtgacg	atgtactggg	1020
agtcccccca	gaaggcgcag	ccccacatcc	agccgcggga	ggactccccg	gggttgccgc	1080
tcttgatgct	cagctccgtc	atcagggaga	agttggacgt	cctccagatc	ttgcacgtct	1140
gatcagccga	gcaggtggcg	aggagcgtgg	agtcggggct	gaagcgacac	tgcagggcgt	1200
agcgcgtgtg	ggcagggatc	ttagtcttgg	ggatgagctg	ggtcacctcg	tcaccaatgc	1260
ccccgtcag	attccagaca	tagcagtttc	cgggtctatt	gacagctgcc	atgtagctgg	1320
cgtccgggatc	gatgtgggcg	gacgtatgag	agacctcggt	ctcagggatc	agctgtcgtt	1380
tgtggtctgt	tttcaagtc	cagatgtgga	tagccccgt	ctggtcaccc	acgatgagct	1440
ctgcctgggt	gggggtgcagc	accaggactc	ccaggtgaat	gccttgagg	tcacaccgga	1500
ccgcagcatg	attgctgctg	caggttacca	gcacatgcgg	atgtatgac	tcaactcc	1558

```
<210> 4944
<211> 355
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (357)...(215)
<223> similar to gil565257 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<210> 4945
<211> 1918
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(811)
<223> similar to gi5912153 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 4945
gcaaggtgac cgccccacgg cggccccagc gctacagcag cggccatggc agcgacaaca 60
gcagcgtgct gagtggagag ctgccgcccg ccatggggccg caccgccctt ttccaccaca 120
gcggtggcag cagtggctat gagagcctgc ggcgcgacag cgaggccacc ggacgcgcct 180
cttccgcccc tgactccatg agcgagagtg gggctgcctc cccaggcgcc cgaccccgca 240
gcctcaagtc cccaagaag agggccacag gtctgcagcg gcggcgccctg attcccgccc 300
cactgcccga caccactgcc ctggggccgta agcccagcct ccccgggcag tgggtggacc 360
tgcccccgcc cctggctggc tccctgaagg agccgttcga gatcaagggtg tacgagatcg 420
atgacgtgga gcgccttcag cggccccgcc ccaccccgag ggaggcccc acccagggtc 480
tggcgtgctg cagtacaagg ctgcggctgg cggagcgacg gcagcagcgg ctgcgggagg 540
tgcaaggccaa gcacaagcac ctgtgtgagg aggtggaccc ggagctggag cccgagtcgg 600
tggagcctgg ccgctggctg gagcagtttg aggtggaccc ggagctggag cccgagtcgg 660
ccgagtacct ggcgggccctg gagcgagcca cggcgggccct ggagcagtcg gtgaacctgt 720
gcaaggcgca cgtcatgatg gtcacctgct tcgacatcag cgttgacgac agtgctgcca 780
tcccggggcc gcaggagggtg gacgtctgag gctggggcgc ggacaagagg agggggcgctg 840
cagcgggctg gaggacggga cgtgggacgg agcagggatg tgggtgggggc tgcgggggga 900
ggatgcggag gggtttctgt gcaggacggg agtctcagag aggagacgga gtgtggggga 960
gggagggccg gccacgcggt ggacagagcg agggtgccag ggtgacccga agaccgtcac 1020
caccgcagac caacgcaagt gcctttgacc ttgatttgga cttttctccc ttttgcat 1080
ggtgctacag acttgagaca ccagcagaag ttgtgttcag cccggccccg ctgcgcctgt 1140
ccggggccgg gctggcgccg gttgtgtttg tgtccacctt gccttctttg cagccaagca 1200
gtttttgtgg agtgggactt acctgcacgc cccaggggtc tttcaggatt caggatgact 1260
tttcttttac aatggtttcc tctcggcaga gcccggggtt tgggggatct gtgtgggggt 1320
ctcaacgcag atccatcctg gggctctccc ggaggggatg gctgacctcg agtccccctc 1380
cttcccgaga acccgctctg tcccgagggc agctaacaag ggctgagccc caggtacagg 1440
ttgcctcctc cacggcagga atttttacca aaaccacaag caaaaaaaca aacagaccac 1500
cacgaccaac aacaaagatg gggggtaggg ttttgtaaag gttctgttag gttcatat 1560
ttatatcatt ttgcccataa atgcggaatt tgccgtggga atttgaagac aaatgatcta 1620
tgtttttatg gttttctagg gaagggtgtt tggggggccg gctctctcca gctgtgggag 1680
gcctgctccc tctggggggc accctgggca ggggtggggg gccttgggag gcgcttcttg 1740
ccaaatgcag acgaggggtg agcctgccag cgtttgcgac gtccccgcac gacaggctca 1800
tactttctga ggatcgtgca tagcatagga cgtctgaacc tttgtacaaa tgtgtagatg 1860
acatcttgct acagctttta tttgtgaatt aaagatgcat cgatgggtta aaaaaaaa 1918

```

```

<210> 4946
<211> 491
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (491)...(384)
<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4946
gctgaggaat tcggacgaga gaaataaaac gatctagtta ttgaaaacc ttaacccta 60

```


tgacacact	cacatacaca	cacaaaaacac	gtattcccaa	cgtagattttt	cctaccgctg	120
agctgctttt	acctatgctg	ttttctctac	ctggaaagcc	ccctcttgct	ctcctagggtg	180
tactgccaa	aatactacct	ttcctataag	gtccagggtat	ataagcacca	tgacattat	240
ggagagagta	gggggcatgg	ggtccacatt	ttgtatcact	gtccaccact	cccagcctgg	300
accatctcac	actgagtcct	tttagtattc	tgattcgtag	tttacttatc	ctaaaaaatg	360
ggtcagtaaa	cctcttgcta	tggcacgggtg	gctcacgcct	gtaatcccag	cactttggga	420
ggctgaggcg	ggcggatcac	ttgagggtcag	gagttcgaga	ccagcctggc	caacatgggtg	480
aaaccccatc	t					491

<210> 4947
 <211> 1500
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1501)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1503)...(1149)
 <223> similar to gi4884370 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4947	
tttttttttt	ttgtacaata actgactttt gcaattattg tgtaattttac acaaggacaa 60
cccccaaatt	cccacacttc gtttttatat ttctgccttc attattcttt caatatctac 120
gtcaacagaa	atcgtttctc ccaataacat atgtggtttg atcctcagcc aggggcgcac 180
aggccctaca	agagtcccag ccctccaaca cgggacacct ggaccctccc ccatttggtgac 240
tgccagccct	tgggtctgttt tgtaaacccg gggcttctnc ctggggcccc tggtcacccc 300
ctggaagacc	gtccggtaag gtagggaaat ggccaaacag gatctgtgtg atgtgtcaac 360
tctgagtaaa	tccaagaggg ctgcctaggg agccccagg ctggagggat tgagaggcca 420
gggctgtgtc	tggttccatt tcaaagaatg ctgtgatgca ttagcagcgt tctgctatgg 480
gcaacaaccc	attagaagca cctggaaggg gggttttggg aaacgggctc agaaaggagc 540
aagggtgtgtc	cgttccattc ttgccttagg tggtgttcc gttaccacagg ctatgctgtc 600
tcagtggcca	ggtggctgag gaggaagtct gaaggccgca tagttgcaag tggttccct 660
agggcctgca	ggggacagca taggccaaa gctagaggaa gcttgggaag gcgcccacgc 720
tgggtcctgc	ggggctctgc atactgcagg ccaccatggc gctagctcct taccctctgg 780
agtctgtctc	atccaggaga agacagctgg ctggcctcag agcgttacat gcaactcggg 840
tgaaaacatt	tttacatgac acagacacac aatgggcttt acctctggat aaacttagaa 900
actttccatc	caaacgaaaa ggggtgtatct tctgtatgtt gccaagaagc ctaaaactgag 960
tacaaggacg	atcttacttt aatcaagttc cagaatgagg gtacacagct tcgaaaagca 1020
gtctgtagca	gaagatgcaa ggggtgtgtg agccatgttt ccagaatata ccaaaggaaa 1080
cacacacaac	cccagtgtgg ccttttgca accctcgatg ctgctccata ctgggggcag 1140
gcggctactt	cgtccagctg actttgggaa tgtcgtaatg ctccgtgagt gtgtccaggt 1200
gtctgttgaa	gtcctccact ctctgcttgt gggttttgga tgccctcttt aggatccttt 1260
ccatttgccg	cttctcctgc attttctcga aggcgcgctg ggccgggggtc cgcttgcca 1320
ggccgcgcgc	cttctcctcc tctgtctttt tgctcgttcc cattgcttcc aggagtttcg 1380
ctttgtcttt	gtccttcttt ttcttcttcc gcttgggtcac tcccagctct gcgacgcctt 1440

tcagcttcag ggggcccttt tggacctgct cgtaggcctc catgacactc tccagtgttt 1500

<210> 4948
<211> 885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(886)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (860)...(446)
<223> similar to gi3885828 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4948
tttttgaggg tcaaatatct ttaaataaag tgccaggaac aataaatact gtacaggaag 60
agagtgcacg tgaacgtcca gatctgtggt ttcaacctcg agactccaag gacctgcaag 120
gggggtggac aagggaacccg ggatcaggga ggctccgggt agacaagagg ggcaggactg 180
gggttgacga ggcaagggcc caggtaagtg ggctgaggga tcccagccac agtaggttcc 240
gtatcttggg atggaaggaa gctaagggtc ggatcccaga ggaggggcca gggctggaag 300
gtgagagcct gggccaaggg tcaagggtca ggatcccaga ggaggggcca gggctggaag 360
atccaggaag cactggcctg gtttgggagc ctgggggttaa aggggagccc gtggaggccc 420
caggggtgtg gtgaccagg ggctcacgag tagctctgat gctgttggcg ccggcgggca 480
gagcgcatct tctcgaaccg ggctccatc tcctccagca ctgcggtgt gtaacggaca 540
accagcttca ccgagccctg ggccgccttc agcagctcca ccgccttctc atgctgctca 600
ccctcaacgc tcacaccgtt caccgacaac agttgatccc cagccttgag gcctccatgg 660
cggtcagcca cccccctgg gatgaccgg gagatgtaga tgggcgagtt ttgctctttg 720
ccacccatga tgttgaagcc taggccctca tccgtcttgg gtagctccac taccctggga 780
tgtgcgtggc cctcgtggc tgtgaaggca gccactgtgg cctttgctgt ggcattgggct 840
cggatctcgc tcgtgccgaa tctgcagcga attccttntt ccaca 885

<210> 4949
<211> 1258
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1256)...(586)
<223> similar to gil205993 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4949
tttttttttt ttattggact gtaggttttt attaaaacaa acattttctca tagctctaag    60
caaagcatta gaattcatca agcggactca catcttttct ctgcacagag agggctgaaa    120
agggagagaa agtcccttat gtatgtctag atttggtaaa gcgaaggatt tcagcgaatg    180
agtcactgag gctatacacg tttgcaaatt gtaaggcact ggcgggcaga gagcacagat    240
aaaggacttc tgggggtcccc catcctgtcc agcaacctcc cagctcacac cttagcttct    300
accaagaagg gtgaacacag catccctgct atcttctactc agaccccaga agacacagga    360
aaccgcacag ctccactccc accataactt attaggagat aagtcacatt ttatcaactt    420
gccatcgcgc ctccatataga ttatacttcg gtaaacccaa tctgtataaa ttcctttgta    480
ctttgtgcac tttaaatgcc acgattgtga atcacacaag cattgcccac tttgttgaaa    540
gcattttttac tggaaacctca aaggcccacc atgtggggag caattatttt ttaataccca    600
ctgggcagga cacgccggtg cccccaaggc cgcagtagcc attgggggtt tgctcaggt    660
actgctggtg gtagtcttcc gcatagtaga aagtctgtcc ctcccggatg tcggtagtga    720
tggggccgaa gccgtgctct gaaagaacct tttggtagtt ctctttggag ctgagggtg    780
cctccatttg cttggcagag gtcgggtaga tggccgagcg gtactgagtg ccatggtcgt    840
tcccctggcg cataccttgg gtcgggtcgt gattctccca gaagaccttg agcagttcct    900
caaaactcat gtgttctggc tggtagacca ctcggacgac ttctgcatgg ccagtttttt    960
ctgagcagac ttctttataa gtaggatttg aagtatagcc tctgcaaaa ccaacttgag   1020
ttgaatacac tcctttcaag acccagaatt tcctttcagc tcccagaaa catccattc   1080
caaatacagc catctgtgtt ccctctggga aaggctcgac tgttctgttg ccattgacat   1140
gatgtttggc cgctacaggg gtctgttcct tccggcccgg caaggcctcc tgggggctga   1200
cgatgttcga ggccgagttg cccatcctcg ggacgggaaa gaggctgtgg aggaggag   1258

```

```

<210> 4950
<211> 1188
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1189)...(496)
<223> similar to gi2815610 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4950
tttttttttt ttattattca ggcaatttat taaacattac ctatagaata ttatgatctg    60
tattttacag aagttaaaaa gtgatgtatt agtattcata acaactgctc catgcaggag    120
taatagaagt caacattaag cccaactcta ttttcagacc aaccatgcaa ctttagatca    180
gaggacacat gggactctgc atcttaattc ctaaatttac agtcaaagac attttcagag    240
ataagtatta tgaattcaat aagaatctaa agtaagttct taaggcaaat agctataaaa    300
gagaagaatc cttagtctct catcttctaa aaacagcttc acaaataatt tggaaaatca    360
gcctaaagggt aaatagaaac tgcatttccc ctccattctt gaagccaatc tttttcaaga    420
aatgactaag cagcacctgt tgttgaagac agcaataaag cctgaacctg aactcaagc    480
tttggtacag gatcagtttt ctggcttgga ctggtcagga gtcacttcac tcagaatctt    540
cattagtgat ttttaagcgt tgtgcgttag cactatcttc tctttcagct ctgcaatctt    600
ttctgataga ggaacatttt gaatatccat ctctgatgca tttactatgg cttttgtttt    660
taagagatag cacaccattt tgtcactgga aaggcagaag tgacctctca aggcagccag    720

```


acaaccccag	agataagcag	ctctatgcct	ggaatgaagg	aaaccagatc	atttacaaac	480
tccagacaaa	gagaaagctg	cctctgaagt	aatgcattac	agctgtgaga	aagagcactg	540
tggctttggc	agctgttcta	caggacagtg	aggctatagc	cccttcacaa	tatagtatcc	600
ctctaatacac	acacaggaag	agtgtgtaga	agtggaaata	cgtatgcctc	ctttccca	658

<210> 4954

<211> 570

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(247)

<223> similar to gi4539520 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4954

ggggattatg	tagaaaagata	tgatcccaaa	acagacactt	ggaccatggg	ggctcctttg	60
agtatgcccc	caaatgctgt	tgggggctgt	ctccttggtg	acagattata	tgctgatggt	120
ggctatgatg	gacagacata	cctcaacact	atggaatcct	atgaccacaa	aactaatgag	180
tggacacaga	tggcttcctt	gaatattggg	agagcagggt	cctgtgtggt	agtcatacaag	240
caaccttgac	ttattgatat	tttacttgga	aagattttac	ttgctggagt	ggttattttt	300
atattgaatg	gcaagaatga	gaacttccag	agatgaaaac	tcttcaagaa	caaggatctc	360
tgtagcgtta	cctactgatg	ttgaaagagt	tagtagatca	aacagaatag	taggaaacaa	420
gaaaacatta	aacttataca	ggaaaaatgt	ctggccatat	gttagttagt	tcgggaatgg	480
ttattggtaa	tttgttttgt	attatagcat	acaataacta	gagttaccaa	aggcttggtt	540
tttcttgagc	agttgaaagg	agagaccaat				570

<210> 4955

<211> 1371

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1285)...(757)

<223> similar to gi3417425 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4955

tttttttttt	ttaaaaaggc	acataaaaat	atTTTTatTT	tctataaata	cattaggaaa	60
tgtattttctt	cccaaccag	tccacccat	taactcaatt	ttttctacat	aaaaaagatg	120
ctaataccac	cctcacctgt	gactgctaaa	cagagaaaga	ttgcctggac	taggcattat	180


```

ggtggagcga gtaggtgagg tacatggcca ttaggtctg ggacaggttc acgatgagcc 1080
tggtggcat gtacagtatg cccacctggt agaaagccgg ctcccgagc cagtgtctcc 1140
agagcagcag gggctgggcc gtggcagggg ccaacagggg ggtgtgctcg cctggctcct 1200
ccgcatgctg ccggcgcttc tcccgggtgc ccaggtggaa tagcagttag aacacggcgc 1260
cgacacccac caccagcagg gacagggttc ggaacacggg cacgtcctgg cccccagct 1320
ggtcgctgat gctgatgtct tgggtgggct ccacccgcga cgagccctgc aggtgcagca 1380
ggagccaggc ggcgccgtag acggtgatgt tggccaccac ggtgaacgca tacctgagtg 1440
ccgtgagctc caccttctcc ggacgcgtgg gtcgacccgg caaaacggag cggctc 1496

```

```

<210> 4957
<211> 729
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(559)
<223> similar to gi498721 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4957
ggaaaaacct ttagtcgtgg ctcaagaactt actcaacatg agcgaattca cacaggtgag 60
aaaccctatg aatgtaagga atgtgggaaa tcttttattc gtggttccca gcttactcaa 120
catcagagaa tccatactgg tgagaaacct tatgaatgta aagaatgtag aatggccttt 180
actcagagtt cacatctttc ccaacatcaa agacttcaca ctggtgagaa accctatgtg 240
tgtaatgaat gtggaaaggc ctttgccgct ggcttactac ttatacaaca tcagagaatt 300
catactggtg agaaaccata tcaatgtaag gaatgtggga aagcctttat tcgtggttca 360
cagttgactc aacatcagcg aattcacact ggagaaaaac cctatgaatg caaggagtgt 420
ggcaaggcct ttagtcatgg ctctcagctt actctacatc agagaatcca tactggtgag 480
aagccctatg aatgcagaga atgtagaaag gcctttactc agagttcaca tctttctcgg 540
catcagagaa ttcatactgc tggagctccg ttactctcat ggggactttg agaatggtat 600
ctgggtgtta tggatcatgg agcagaaata cagaaggagt ctgcaaccct gatgactttg 660
tggaacagcc atactagctc tgggtctgct gcctcctgtt tctctttaa taaaattaaa 720
catcttaaa 729

```

```

<210> 4958
<211> 1618
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1619)
<223> n = a,t,c or g

```

```

<220>

```


<221> misc_feature
 <222> (1)...(740)
 <223> similar to gi2852615 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4958

```

cccatggcca cgggtgatgg cgccaagacc ctggccatcc acgtgaaggc cctgacggca      60
gactccatcc gcatcacgtg gaaggccacg ctccccgcct cctctttccg gctcagttgg      120
ctg'gcctgg gccacagccc agccgggggc tccatcacgg agaccttggg gcagggggac      180
aagacagagt acctgctgac agccctggag cccaagccca cctacattat ctgcatggtc      240
accatggaga ccaccaatgc ctacgtagct gatgagacac ctgtgtgtgc caaggcagag      300
acagccgaca gctatggccc taccaccaca ctcaaccagg agcagaacgc tggcccatg      360
gcgagcctgc ccctggcggg catcatcggc ggggcagtgg ctctggtctt cctcttcctg      420
gtcctggggg ccatctgctg gtacgtgcac caggctggcg agctgctgac ccgggagagg      480
gcctacaacc ggggcagcag gaaaaaggat gactatatgg agtcaggggc caagaaggat      540
aactccatcc tggaaatccg cggccctggg ctgcagatgc tgcccatcaa cccgtaccgc      600
gccaaagagg agtacgtggg ccacactatc ttccccctca acggcagcag cctctgcaag      660
gccacacaca ccattggcta tggcaccacg cggggctacc gggacggcgg catccccgac      720
atagactact cctacacatg atgcccgccc acccgggctg ccccgctca gccccagctg      780
ccttggcgtg gccatgtggc tttgcccagc ctgctgcaat ccaagagagc aaggaagaga      840
aattccatgg gtgactttcc tccgcagaaa gcaaagttag gggagggctg acgattttgt      900
agaacacaac agtgacaatt ttttttaaaa gaatagaagg caggaggggg aattcgacat      960
tggtgaagac ataatttata ccaagttatg cccagttggg gaggggaagg aaaaaataa     1020
tattgcaggc agggctgggt tgggtttttt ttttttcccc cctgaactgg aaggatacta     1080
cctgtacaac atcttgtgga cacctcatgc tttgttcaag gccatcaca aaggaaccgcc     1140
cagggagaag cagccggctc tcaaagctcc cacgcagttt tccccgccac tggccactcg     1200
ctggcgaccc gatggaagggt ttccaggctc ctcaaaaagg agagagggaa gaaaagatct     1260
tttgccctgg agatatggtc ctgaaatctc tcccctggct tattccatac catttcctt     1320
gcagatttgc agaaacatgg catctttcac tgcatctttt gaacaatcat gtagtcgatt     1380
aaaaaaaaaa aaacaaactt ttttttccta ggctgaagcc cttttaagtt ccatgcccc     1440
ccctccgaaa aacccccggg ggaagccgta actttccctg ccacctggag gggcatttgt     1500
ctgcctgtct atccctgggg gggggcctct aaatacagag gggtaaatag agccacatgc     1560
acggtcctta ccgttttttt tggngcagtt cttaccattt cctgaacaat aaaatggg      1618

```

<210> 4959
 <211> 2384
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (332)...(1831)
 <223> similar to gi2662364 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4959

```

agacaacttg atagccacag ccctttgtct ttctggcagc gggctctcagt ctgatttgaa      60

```

ggatgtggcc	agcacagcag	gagaggaggg	ggacacaagc	cttcgggaga	gcctccatcc	120
agtcactcgg	tctcttaagg	cagggtgcca	tactaagcag	cttgccctcca	ggaattgctc	180
tgaagagaaa	ccccacaaa	cctccatcct	aaaggaaggt	aacagggaca	caagcttgga	240
tttccgacct	gtagtgtctc	cagcaaatgg	ggttgaagga	gtccgagtgg	atcaggatga	300
tgatcaagat	agctcttccc	tgaagctttc	tcagaacatt	gctgtacaga	ctgactttaa	360
gacagctgat	tcagaggtaa	acacagatca	agatattgaa	aagaatttgg	ataaaatgat	420
gacagagaga	accctgttga	aagagcgtaa	ccaggaggtc	ctggacaaaac	agaggcaagt	480
ggagaatcag	ctccaagtgc	aattaaagca	gcttcagcaa	aggagagaag	aggaaaatgaa	540
gaatcaccag	gagatattaa	aggctattca	ggatgtgaca	ataaagcggg	aagaaaacaaa	600
gaagaagata	gagaaaagaga	agaaggagtt	tttgcagaag	gagcaggatc	tgaaagctga	660
aattgagaag	ctttgtgaga	agggcagaag	agaggtgtgg	gaaatggaac	tggatagact	720
caagaatcag	gatggcgaaa	taaataggaa	cattatggaa	gagactgaac	gggcctggaa	780
ggcagagatc	ttatcactag	agagccggaa	agagtactg	gtactgaaac	tagaagaagc	840
agaaaaagag	gcagaattgc	accttactta	cctcaagtca	actcccccaa	cactggagac	900
agttcgttcc	aaacaggagt	gggagacgag	actgaatgga	gttcggataa	tgaaaaagaa	960
tgttcgtgac	caatttaata	gtcatatcca	gttagtgagg	aacggagcca	agctgagcag	1020
ccttcctcaa	atccctactc	ccactttacc	tccaccccca	tcagagacag	acttcatgct	1080
tcagggtgtt	caacccagtc	cctctctggc	tctcgggatg	cccttctcca	ttgggcaggt	1140
cacaatgccc	atggttatgc	ccagtgcaga	tccccgctcc	ttgtctttcc	caatcctgaa	1200
ccctgccctt	tcccagccca	gccagccttc	ctcacccctt	cctggctccc	atggcagaaa	1260
tagccctggc	ttgggttccc	ttgtcagccc	ccacggtcca	cacatgcccc	cagccgcctc	1320
catcccacct	ccccaggct	tgggcggagt	taaggcttct	gctgaaactc	cccggcccca	1380
accagtagac	aaactggaga	agatcctgga	gaagctgctg	acccggttcc	cacagtgcaa	1440
taaggcccag	atgaccaaca	ttcttcagca	gatcaagaca	gcacgtacca	ccatggcagg	1500
cctgaccatg	gaggaactta	tccagttggt	tgctgcacga	ctggcagAAC	atgagcgggt	1560
ggcagcaagt	actcagccac	ttggtcgcat	ccgggccttg	ttccctgctc	cactggccca	1620
aatcagtagc	ccaatgttct	tgcttctgct	ccaagtctca	tatcctggaa	ggtcttcaca	1680
tgctccagcc	acctgtaagc	tatgtctaata	gtgccagaaa	ctcgtccagc	ccagttagct	1740
gcatccaatg	gcgtgtaccc	atgtattgca	caaggagtgt	atcaaatctt	gggcccagac	1800
caacacaaa	gacacttgct	ccttttgtcc	aactcttaaa	tgacggacct	gactggggag	1860
gaagaagaag	agaaaactgat	gtgaacagga	agcgcgggtt	caagatttct	aaaactctat	1920
atttatacag	tgacatatatac	tcattgcatg	tacattttta	ttatataggt	aatgtgtgta	1980
tagaaaagtct	gtattccaat	gttcgtaaat	gaaactatgt	atattatgca	gaaacagtct	2040
gttccccctc	atcttgcaat	tcctttgggg	gatgcagatt	gtagggaaga	tgatgttttag	2100
tttggccttg	aaattatgat	atccctgccc	agggctgttt	tcaaatataa	tataaaaacc	2160
acctaggaac	ctgctgttgc	tctaaggcca	ttctgctttg	gtttggctca	gcctctagtc	2220
catttcctta	aggctcatgt	atgcagattt	aaagcctggt	gctcacccac	tgtccaacca	2280
gatgccttgc	ttaccgaaag	cctccagaag	cctcagtatt	gttttagcca	ctctactcca	2340
aatggataaa	atgagactct	gattgagaaa	aaaaaagtaa	aaaa		2384

<210> 4960
 <211> 1695
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1696)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1312)...(667)

<223> similar to gi3875410 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4960

```

tttttttttt ttgcaacctt gaattttattt tttattgaaa cacagtacag aaaacaccaa      60
acgtcactcg acagcagtga gctcatagct gtaatggagt tggccccaga tgccaaacca      120
cctctgctga ggtgtgactt cctctggagg gtgacatggg caaggaaaagg gaagggtgttc      180
tctgtcaaat tcagagacca tgtgcacctc caacaaaatc acactcccta caagttccag      240
tgtgccccca gtgggcaccc cgtgggcaca tctttgacaa tggggaaggg gttaacggga      300
agtaggtggg gggacatcca accccaatgg ggcacatacc caggaatggg aatgtaggct      360
gctgagtctt cttggagaag aagagagagc tatgcccaca gttcagcttg tggggcccct      420
gagacaaggg ccacacagtgt gcggagagga ttccaaagga ggaggaggat ggtgacatgg      480
acagtgactc tggggctgcg ggccacgatg tggcaaaaat ggagcagctg ggtggaggga      540
agatgagggg ctgaggagtg gaaagacacc agaatggggc agggagagca attccactca      600
gagtggagca gggaaacagcc agcatattag ggccaagacc cggtcagcca gcttcaaccc      660
cttcacacgc aggatgagct catggagggt gatctgccat aagttgaagg cctcgctgaa      720
agagatctgg gtccttctga agaatgaaca ggtattcttc ttcttgctgct cagctagcgc      780
tctgatgcag caacgtgaca tgttgagaaa ggagctggcg ctggcgcggg tgcccagggc      840
ggcctcaatg ccacgcagca ggtcgttggt cttcaagatg agcagcatct ggcgcggcac      900
gtggttgagg agatggctga tctgggggag gtagttggcc gcgttggtgc gaatctctaa      960
gtcctcagtg gcagtgcagg gagcttggct gatgcctctg ttgaccgagt cccacgatcg     1020
cgccgtcagc atgcaggcaa acaaggggta gagatccccg gctcccagtc gctggctgta     1080
ctccttcaact ctcttcatgt cagtccagat cagagactgc cagagggtggc agtaattcag     1140
gcggaattct tccgtgagca tctggtaaag cccatggtcc aacaggacaa tctccgcctt     1200
tcccgtgccg ggggtgcttc gcaccagtac attgccgggg tggggatcgc agtgcacgaa     1260
gccattgacg aagatcatct cactatacat cttgccaggg tggcgtgaga tctgaaagag     1320
aagaggggca ggtgggagct cctctccact cacatctatc cgagggacct ctgtctggtc     1380
tctcaatgtg gtcactttta aggggaggcc agagaaaatc ggtgggccgg agcggttgtg     1440
gtgggagtga ttgtttgaga tgacatactc tttagattta agatttctta acttttagctg     1500
caccttagaa tcatgaaacc atgtgggcgg tacaaggcac cagtattttt taaagttcga     1560
ggtgacgtga acatgggatt aggtaggaga actgcactct ccacctcca caccgcccc     1620
ccgacttgtc ccccatctt ctcccctcgt gccaaagcttg gcgtagttat ctaatagcgt     1680
tttcaatnng ccccc

```

<210> 4961

<211> 958

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (961)...(156)

<223> similar to gi4680229 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4961

```

ttcgtgccgc aatacattta ttatatttatc acatatttac attccagtag gcagcctgtc      60

```


<210> 4963
 <211> 1490
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(1493)
 <223> similar to gi3702137 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4963

aagtctggga	agttgacgag	cagatagatc	actacaagga	aagccaagac	aaatttctgt	60
ggcaagctgc	attcataggc	aaggaaacac	tgaaggatga	aagtgggtcaa	gaatgtaaaa	120
tatgtagaaa	aatcatttat	ctcaacacag	actttgtttc	tgtaaaacaa	agactcccta	180
aatattattc	atgggaaagg	tgttcaaaac	atcatttaaa	ctttcttggt	caaaatagaa	240
gctatgtaag	aaagaaagat	gatggatgta	aggcatattg	gaaagtatgc	ctccattata	300
atcttcataa	agctcaacct	gcagagagat	tttttgaccc	taatcaacga	gggaaagccc	360
tccaccaaaa	gcaagccctt	agaaaaagtc	agagaagtca	aactggggag	aaactctaca	420
aatgtactga	atgtggaaaa	gtgtttatcc	agaaagcaaa	cttagttgta	catcaaagaa	480
ctcacaccgg	agagaaacct	tatgaatgct	gcgaatgtgc	aaaagccttc	agccagaagt	540
caaccctcat	agcacaccag	agaactcaca	caggggagaa	gccctatgaa	tgcagtgaat	600
gtggaaaaac	ctttatccag	aagtcaactc	tgattaaaca	tcaacgaact	catacaggag	660
agaaaccatt	tgtatgtgac	aaatgtccaa	aagcctttta	gagttcatat	catcttatta	720
gacatgaaaa	aacacacatt	agacaagcat	tttataaagg	tattaaatgt	actacgtcca	780
gccttatata	tcaaagaatt	cacacaagtg	agaaacctca	gtgcagtgaa	catgggaaag	840
cctctgatga	gaagcccagt	cccactaaac	attggagaac	tcatacaaaa	gagaacattt	900
atgagtgtag	taaatgtggg	aaaagcttca	gaggaaagtc	acacctctct	gttcatcaga	960
gaattcatac	aggagagaaa	ccctatgaat	gtagtatatg	tgggaagact	ttcagtggaa	1020
agtcacacct	ctctgtccat	catagaactc	atacaggaga	gaaaccttat	gaatgcagaa	1080
gatgtgggaa	agcctttggg	gagaagtcaa	cccttattgt	acatcagaga	atgcatacag	1140
gagagaaacc	ctataaatgc	aacgaatgtg	ggaaagcctt	tagtgagaag	tcaccactga	1200
ttaaacaatca	gagaattcat	acaggagaga	gaccctatga	atgcactgac	tgtaaaaaag	1260
ccttcagtag	gaagtcaact	ctcatcaaac	atcagagaat	tcatacagga	gaaaaacctt	1320
acaaatgtag	tgaatgtggg	aaggccttca	gtgtgaaatc	aactctcatt	gtgcatcaca	1380
gaactcatac	aggagagaaa	ccttatgaat	gcagagactg	tgggaaagca	ttcagtggga	1440
agtcaactct	cattaaacat	cagagaagtc	acacaggaga	taaaaaccta		1490

<210> 4964
 <211> 956
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(927)
 <223> similar to gi289412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 4964
aacgccgccc atggctacaa ctggggcctc tgggtgcatgt acatcatccc cccgcaggac      60
tggtctggacc gcggcgacga gtcagcacc cagccatgat cggctgctcc      120
ttcgtagtgg acccgagta ctccggagac attgggctgc tggaccccg catggagggtg      180
tatggcggcg agaacgtaaa actgggcatg aggggtgtggc agtgtggcg cagcatggag      240
gtgctgccct gctcccgcgt ggcccacatc gagcgcacca ggaagcccta caacaacgac      300
attgactact atgccaagcg caacgccctg cgcgccgcg aggtgtggat ggatgacttc      360
aagtcccacg tgtacatggc ctggaacatc cccatgtcga acccaggggt ggacttcggg      420
gacgtgtctg agaggctggc cctgcgtcag aggtgaagt gtcgcagctt caagtggtag      480
ctggagaacg tgtacccgga gatgagggtc tacaacaaca cctcacgta cggagagggtg      540
agaaacagca aagccagtgc ctactgtctg gaccaggag cggaggacgg cgaccgggcg      600
atcctctacc cctgccacgg gatgtcctcc cagctgggtg ggtacagcg tgacggcctg      660
ctgcagctgg ggctctggg ctccacagcc ttcttgctg actccaagt tctggtggat      720
gacggcacgg gccgcatgcc caccctgaag aagtgtgagg atgtggcgcg gccaacacag      780
cggctgtggg acttcacca gagtggcccc attgtgagcc gggccacggg ccgctgcctg      840
gaggtggaga tgtccaaaga tgccaacttt gggctccggc tgggtgtaca gaggtgctcg      900
gggcagaagt ggatgatcag aaactggatc aaacacgcac ggcactgacc ccacct      956

```

```

<210> 4965
<211> 855
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (858)...(342)
<223> similar to gi5360129 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4965
gggccttctc ctcagtatag cactccatgg tgctgagggt ctgcagcaca cggctcgcgt      60
ccagctgtgt gtctcggatc ttgttctgca gcagaatcag cttttcctca tactggtgct      120
tgagcgtctg caaccgcgc tggtgtttct ccagctcgtc gatcagcttc tgcttgattt      180
cgatctcaca agtcaggctg gccaggctcg cctggaagtt cacctccttc tcctcgggggt      240
ctgagtctga gtccaccagg ctctcttcac tgcccagatc ctcatcttca tcctcgcgcc      300
cttcctcctc ctacacagca ctctcgtctc gctcttctc ctctcctcc gcctcgttct      360
catcgtctc ctcgtgttc tcctgttgga gttttgcct ctttttgaag gcttcttct      420
cggggctctt cctcgcgtgc ctgacctct tcttctttag ccgctccagg tcctgcttgg      480
ccctgcggat cacctccgag gcatcctcca tggagctggc agggctgcc ccgaaggccg      540
gggcggctgg agaagcacc agggagtagg ggctcctagc cgaggccgt gagaggctgc      600
ggcgcaggga ctcgttcatg gcttactct ctagaagctt agtccgtagc tcctcgatct      660
cccgatgta gttctggatc agcgcacca tggcctcatt gccatcgccg gccttggtta      720
gcagcagggt ggctcctg ctcatgagct ggggtgacgg gttgttgatg gcatcgatgg      780
cctcctgcat ggctttcacc cgcagccgca gggcccatc ctcttctgt agcatggcat      840
tctctcgga cagat      855

```

<210> 4966
 <211> 1666
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1667)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1666)...(786)
 <223> similar to gi806570 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4966

gcggccgcag	cacctgattt	ccccctcagt	ggaatttcca	acacactgcc	ctgagtgtccc	60
cagttaggcc	tggcaccctt	ggctggtggg	aggggcaggc	cctctgcctg	tctgcttaca	120
gaagcccagg	gccagagggt	ggtggaagcc	gggtagacgg	acatgtcttg	cccaaagcgc	180
atnatgacca	gagagccagg	cctgcataca	gtagttggag	gcatggggca	gaaagcactc	240
ccctccctcg	agcactcacc	tcacctccag	gggcaaacc	cagcaagaga	cgcacccagt	300
ggttttccag	cccacaggag	gccctgccct	cattggcccc	ctctctcctt	tctgatttgg	360
gcccactgt	cgccgtggag	cctgggcca	aggcactttt	ggaaacacgg	atgccagtgg	420
aggccacagc	agctccgggc	cccatggggc	tactgccact	ctctctggaa	aacaggccgg	480
agccccggaa	ggagccccct	gaaggccact	actggcaggg	cagtgtcccag	tggcatctct	540
cttctcttct	gttctctctg	ttggtgcagc	tgccaatctg	atgccagaca	gacacccaaa	600
ggtgtggaag	ggtattgcat	ctcttgga	gttcacagtc	tgtccggttc	ctgccattcc	660
ctcctcctcc	tgagagcagc	acgttgcata	tgaaaaacgt	cccatccagg	atgcaatgta	720
aacaatgcag	aaggaaggtc	cagccgcggg	gctgagcagg	gatgtccagg	taggctcctg	780
ccttatacct	ccgtggcaat	gacacattca	ttcctctcct	ctgatatcaa	acacacagac	840
tgttacatgg	agtccctggg	ggagcataatc	gctgatatcc	gacactctgg	cttttctactg	900
tgtaacgcga	gtggcgccct	ctctcctaag	ctcttgtcac	tgtggggaaa	ctttcctggc	960
atgggtcccc	gccccagggg	ccctggggcc	agattatagt	ccaatgtgtg	gttttgctgt	1020
ttgccacagt	tggacttgtc	caggccacag	tccacttcca	gctccttctt	ctgggtttgtg	1080
tttttaagct	gggcggcagg	aatcagggtt	tccttctgga	agtccgacaa	gttggttcatg	1140
gcttccctgc	tgcgcgtcgt	cggccgctga	agccgcagct	gccgcacagc	cactgccacc	1200
atgccacgca	gtaccagcag	cactgccagc	cccacaccca	gcgagacggc	caccagggg	1260
aagctgggcg	gcaagcccac	ggggaactcg	cagcggtctg	ccacaaagcc	ataagggcag	1320
ttgcacacaa	aggtgtctgt	ggagagggtcg	gtgtagcagg	tggccctgtt	gaagcaggga	1380
ctcgaggcac	aggcatcgat	ggatgtccgc	acctcacagc	gtcggccaga	gaagccggca	1440
gggcagggtg	acatgagccc	attctccagg	tcattggcaag	tgccaccgtg	ggcgcaaggg	1500
ttacgggcac	agtcgctgac	gtggagttca	cagtagggtg	ccgtgaatcc	aggacggcag	1560
cggcacatgc	ggcttggaac	tcggttcagg	cactgtcccc	cgttggcaca	ggggttgctg	1620
gtgcacctgt	ccactttctt	ctcgcagttg	gagccgggtga	agttgg		1666

<210> 4967
 <211> 6506

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc feature
 <222> (6509)...(246)
 <223> similar to gi2224591 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4967

tttttttttt	ttcatgctta	gtgtttttatt	tcctcaaagg	agccacgcca	ttggccttcc	60
caaatacctc	ctgggtatcct	tccaattttcc	accactccca	accgtcagat	tccattcagc	120
ttcctccaac	ctcagaccaa	ccacttttctt	ttcacaagct	cagaccttcc	aaatatttta	180
aaaatgaata	aatgttaa	accaactttc	actattacag	aaaggggcag	ctagaaaagt	240
ttactctgtg	cacaagactg	cgacacccccg	ctcgtagaag	ctgcgaggat	cctcctttgt	300
agcaatttcg	aagtccacgg	tgaagatgag	gtctgcacgg	gtgaagttca	ggtagacagg	360
taaggttacc	acactggcct	tcttctcggt	gtttgtctgc	ttgaccacgc	gcagctgcgt	420
caggggaagg	gcggttgaga	tggcattgga	cagtgcacgc	ttgttggtgt	tgcacgtggc	480
cccttgaaagt	ttcaaaccgg	tgactccgaa	gctgcaagcg	tcaaggggtg	cgccctgtga	540
ggtggtgacg	ttgacttcca	ggcagagctc	ctccagggac	cagctgttgg	cctggggccac	600
atactgcctg	gtggcagtg	tgtacgcctc	aggcacgaac	aggccaccca	ggcacacgtg	660
gatgttcttt	agctccttgg	cgccaccaga	tgcagctgcc	agtgagatgt	tctgcagctg	720
tttgatcctc	tcgctgaagt	cggacaccca	ctggatgacg	gtcatgccgg	caggcacccgt	780
gtagtgggac	cagctccgag	gcaagatccc	tttacttagc	tcgttgatca	gcgtgcgcaa	840
gtagtgggtc	tgcttcttct	ttccttcgca	cacctggacg	acatctgcaa	ggtcctggcg	900
aacgtcctga	agcagctttg	cgcccatctt	cacttctctc	tcaaagaacc	tgaacaaagg	960
atccttgata	ttctccacgg	tgcgcttgag	gtggctcagc	gtctggggga	tgaggtgcag	1020
ccagtgggac	gcggtgggtg	gcagtgtccg	catccaggca	gggcgcccgt	cggacgtgga	1080
gtctgtcctc	gtcttcttct	cagtctctgc	gtaggccagg	tcgtcctcat	cctccaacat	1140
ctgcatcttc	agcattttac	tgatcatgtc	cacacctgtg	gtggtaagg	ggactctctc	1200
ggcgttggtg	ggcaggccca	gccaggaggg	cgtctgggtg	tcggggagca	actccaccca	1260
ctgcacaaac	tcctctcgcc	tgatgccatc	tggcatttga	atgtctttat	gtccgctcgac	1320
cttgcatgcc	agcttaaa	cactgtcgaa	actcctgggt	gtgaacaggc	gctccaggaa	1380
ggtgttgagc	agacgtgggt	caaactcggt	gtccacgcgc	ccgccataaa	tggactgggc	1440
cattaagggtc	tttagtgagc	accacgggat	cttatccggt	gagatgttct	gcctgccctt	1500
ggccgtgtca	tccagccacg	tgtccaccgt	atcgcaagct	gaccgcaggt	cagactctcc	1560
aaattcatat	ttctttgacc	acccagtggt	tgcgtatcgt	aagcgttctt	ggatgatcgc	1620
atgaaaccag	gccagcagga	agtacaagcg	ggcacgctcg	ttgggagact	tgcataatccg	1680
tgagacggga	atgctgctga	acgtcctcag	catgttggcc	ttcacccctg	gcggtggctc	1740
gaacacaaag	atgcggccccg	cacggagcag	attcacaggc	accttgggggt	tgatctccat	1800
ggtgaggaag	agtcggaagc	aggcatgcgg	ctgcaggga	tgcaacttct	tctccagctg	1860
catcagccac	cctggggcca	gatgcacatt	cttcagcatc	acccacctgc	ccgactttac	1920
agcgggtgtt	attgccttat	ctgcttgggt	aaagccttct	gcagagccga	ttgcaattga	1980
agtgatctgc	gtgttctgct	cggctgcaag	gtcctcgaca	tgtccactgg	catcataacc	2040
aggcacagag	cacatttaaga	caggagtgtt	gggcttcacc	tctgtgcccc	caatttgggt	2100
caggtcgagc	ggctgttcca	tgatggacat	gaaagactcc	ccaaggtttg	ttgaaacaaa	2160
catgtggggc	atggccaaca	ggcgatcggg	ccggaaagcc	tggatcagga	gcaggcggtg	2220
gatggcctgg	ccaatgggtg	ttgcagggtg	ttcttcactc	cagaggtagg	gcacagctctg	2280
ctccggggag	ctgctgtcca	gccagatgcc	aaattgctcg	tctgcctgaa	cctttgcaat	2340
caagtcctta	aacgcgggaa	ggcagctcag	cctcaccacc	gcctccgcct	gctccacagt	2400
caggccctgg	atcctggggg	tggagccagc	actcaggaca	atctcatttc	ctctcaagaa	2460
gtgctggaat	tctgcatcgt	aggtgggctc	ccccacgggtg	cccttcagtt	tgattcttgc	2520
cagcagcatg	gcaaaggtaa	tgtggtcctg	atgcagcatg	cctcgagcca	ctcggttaaa	2580
cgccacctgg	aagaggtcct	ttgttataat	ggacaggcgc	tgtgtgtggt	cgggtgacacc	2640

cttcagggttc	gggtttctcgt	ataggacggtt	gtgataaatg	tccaggaaaa	actggaggga	2700
gtactgggtac	aagaagtgtg	tctgcttgag	ggactccatg	gtgaagtaga	tgctgctgca	2760
ggcgggtggag	agcggggaggt	actgctggga	cacgggtctcc	acctcctgca	tgacaatgtc	2820
cgtctcctca	acttttcctgg	tgacctctgc	agcctctctc	ttcagggttct	ccagagtgggt	2880
tatgatcgtg	tcgtcatcca	aaatgcgccc	tttcacctcg	ttcagagctt	gtagtagaga	2940
tttttccagc	tgacgcaaac	ggagctgaaa	ttccccctga	agtttaagaa	gatcagatcg	3000
tttctcgtcc	acatcagggtc	tttctgcttt	aagtacttca	tttagacact	ggctttgtaa	3060
actgctacgg	gtaactgtga	agtttacaaa	agtaaccggt	gaacagagat	ctggtgggaa	3120
ctcgacagtt	ggatcccggg	tggacaggaa	gatgacaaac	gatggcgaca	ggtctatgtc	3180
ctggtccccg	agagtgatca	gcaactctccc	ccctgttcgc	cgcacttcac	ggttcagcac	3240
cgggttcaaa	actggatcgt	agctttccac	atcctggacc	agaaggggggt	taccgaatct	3300
cagtgcactc	tctaagttct	ttctgaaggc	gtcatccagg	aagctggtcc	gtgtgatctt	3360
acgatcctta	tattcattca	taatgaattc	tgtggcctgt	ccagaggggt	caatgatcag	3420
cggataccta	ttgaatcggt	tcagcatgat	ggcattttct	gtgcaaagggt	catcagcagg	3480
caaggagctg	gcctgccagc	gaagacgctc	atcagcattg	gaaagggtatt	ccgtcctggc	3540
aatatctgta	cggaaactgga	tgttggcctg	ctgtagggtga	tgggaccagg	tagtgaacaa	3600
gttctgacgc	atctgctggt	caaagtaacc	cgcgtaggca	atgaacgcag	ctgacaagag	3660
acagtcccca	gcaatggtgg	acatctggtt	tttgaaagtt	tcacttgttt	tttcccatcg	3720
ttcacgttca	gcagacaagc	tcttcagaag	agcagtgtct	cggtttactt	ttgcctcgac	3780
agctgccagg	tctgccttga	tggcctgggc	ctctgagatc	aggacggcgt	attcctcctt	3840
gtagcgggcg	atgctggctt	ccagggtctcg	gatcatctgc	tccacctcgt	tggccttctg	3900
ctggttgtcc	ttggcgatca	cttccagctt	ctgcagctca	ttgcgtaggg	gctccactct	3960
ctttaacatg	tctgcatagt	taagctgtgc	aattgcccac	ttcaccatag	ggccgcaagc	4020
caggggaagcc	cgattcacaa	tttcataatt	gtaacttgga	ttggacatgt	aatttttctt	4080
catcttctcc	cttatggcgt	cactgatctc	ctctgcagag	aagttgacga	tgggtgggat	4140
gaagttctcc	cgcgatgatga	tggagcggat	ctgcttccag	tctgtggtgc	tttcccccag	4200
cagcaggcag	atggactcca	gcgccagctt	cacagcagca	ggagggttgg	ccatggacct	4260
cacctccacc	aggtgctgct	tcttgatcga	cttcacagca	ttctgggcct	caatgacggc	4320
aggttccacc	ttatcaagat	cttctttgac	actcatctgt	ttgtctgcaa	ttacctcctg	4380
ctgcttatgc	agctgttctt	ggattttctt	gctcataacc	ttcttctttt	cagcctcctg	4440
ctggctcttc	accatctttt	tcagcttgtc	attggctgtc	gcattcttca	cctccagctc	4500
ttggctcttt	atcctcaagt	cacgacgcag	ttcttctacc	tggctgactg	tctctttgat	4560
cttcttgagc	cccacgttca	agtgcactcg	ctgctcctcc	agctcgctcc	gcttctcgtg	4620
gaacagggtg	gcatagtgat	tgatgaagtc	caggtagtgg	cgagggggtga	tggccatcgt	4680
tctgccgcct	cgttttgcta	gccgagcatt	cgcctgggtga	agagtctgat	gaacaaacac	4740
acagctgttc	acaatggctt	cccgatggga	tgggtggctgc	ggcagcttat	catacacaac	4800
tggcatgtaa	tcaggcacga	tgtaatttgg	cttctccaga	tccatcttac	ttgtgaattc	4860
tttgccaacc	tgatacagtg	cttcggtgga	ccagtctcca	aaccaattca	acacacacct	4920
gttgaaaagt	gctgggtgat	tagctgcccg	gtccttgagt	ccctccgagg	acgggttcat	4980
ggtgaacacg	acgtggaggt	tgcggataac	ctggctagtg	aaccacttgt	agagctcctc	5040
gtgcgagtc	agcatcaggc	cttccttctg	tgccccctct	ttgcaactgc	tcatcaagggt	5100
ggcatactcg	tctccttcaa	agagaccagg	cacctctcca	ttggccagaa	gggtattcat	5160
tcgctccagg	aatccagaat	ctaacacatt	agattcatcc	attataaatg	ctatcttttc	5220
atttttacag	ccagaacgtc	tcaacactgt	ccgtagatct	tcatcaaagt	cttccccctgt	5280
gtacttccta	tggaccttaa	tctggtacac	actcaaaccg	ttcatccagg	cgacgaaacg	5340
agacagggtg	gtttttcctg	ctccactaac	accaatcaga	agcaagtggc	cttgagggtg	5400
acggaatatt	ctgtcaatcc	tcagcacgtg	gtctaggact	tcattaaaca	gcaccagcgg	5460
aacatcaagt	tcttcttcat	aaaagacctt	cagcctagct	ttgacataat	ctcttaactc	5520
ttcttgggtc	actgggtagt	aatcctttga	cagccagttg	ctgtacaaga	tgggtcggct	5580
cattgccttc	tctctgtcga	tgttagggaa	gtgcttcaga	gcaaccgtgt	cgatgttctc	5640
atcagtccaa	cgcctctcct	catectctac	gagtctatct	tggaagagac	gcagagcttc	5700
atgtgcccaa	atccgaatga	ggccttcaac	aggcagggtc	tccagagggtc	tcagcgcttc	5760
aaagatgcct	ctcaccacc	tagtcatttc	acgggggtgaa	tagatatagt	gagggttgtgt	5820
atcctgggtg	aatctctcct	gagacatggt	gtagaactcc	accatggcag	cagtgcgcgg	5880
ctctgcatac	gtccgcaggg	atggaatgag	cctcagcatg	gcgcgggttg	agggtgccgt	5940
gatctgtgtg	agggaggcgg	ggcccgggtg	atccacatac	acgacaggca	cgtggcgag	6000
gaacctgtgt	gagaggggct	ttcttccagg	gtctgtgggg	ggattacaag	ccccaacaaa	6060

ctggattctc	tccagcttca	cccatgtttg	atctgaggta	cggtaaaagc	ctccgtgctc	6120
caccatctgt	ctgatgaagg	atatgaccct	ctgggtccca	tatttatcca	tatctggcaa	6180
gttgatttca	tcacagaaca	acaccagcca	ctttccaagt	tgaacaggag	ccaaaaccac	6240
cccattaggt	gtgcgctgt	actcgagta	gtgatcaaaa	gtcttcagaa	gcagctctgg	6300
agtagtagca	ctggagaagt	tgagaccac	cacctccatg	tcaggcaagg	cccggagggc	6360
gctgaagagt	gtcatggtct	tgccagacc	aggagggcca	cacaagacca	ggggcttgtg	6420
ttcggccagc	caagtgtaca	agagggttc	gtggcggact	gtgtccagcg	ttggcacgac	6480
gacatcaggg	gctgccacct	tgtgctg				6506

```

<210> 4968
<211> 7061
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (7062)...(1105)
<223> similar to gi3327054 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4968	
tttttttttt	ttgtccgtaa
ccctccagcc	cccatgggct
cccgcattggc	ccatcggccca
tcaggcgcca	ggggcgctct
tgcatgggga	gcctctcggg
agttggtgca	tgatacgttt
tttagaaaca	ctttcagcaa
ctctcctttt	cctggagacg
ctccctgctc	ctggagaagc
aacagccgcc	caagcaacaa
ctacgggtga	gggggaagtg
gtcagttcaa	ggagggctcc
ctccgggctg	gcggcctcct
cttggcagca	ggaccaactg
ctgggcagat	gggggagcct
acaggtggga	ggggatggag
gcagcccctc	ctcctgcccc
acaggcacgg	ggtagaagat
gcctgaccaa	ctctccatgt
atcaaagcca	ccacctgtc
gcctccagcg	cggccatgat
atggccacat	tggtgttgaa
ttcatctctt	gctcgctgag
atcttccggt	actcaggaat
cccagctgca	ggtcagagat
caggcgctga	tgtggtctgt
ttcaccacga	accggagagg
gagattcccc	tcttctcagc
gggggcttgt	cttcacggat
ggcttttatt	ataaagaaga
ctgagccagt	cccaacactg
cagagggctg	tttctggcag
gccagggtctg	cccgtctctt
acccctcccc	gggtcctttg
tggtcctttg	cgcaagcggc
agctattcac	tggtgctatc
atcttaaccc	gcctcggtgc
ccccatccct	ctcctgtgcc
ccccctccacc	cccatccct
ccactctacc	cgggcactgc
ccaggatcct	ctgtctgtgg
ccaatcaaag	gaagcagaaa
gggctgcagc	tagagtcttct
gcacggggct	ccgcctggat
gcagggccgtg	tgggcacagt
tgatctgggg	tcccagagac
gtctcagaga	gggcgccccct
agtctgagtc	gtctctgctc
cccagcagca	gtccatttct
ggtgtcctcc	actcgtagat
cgtgggggtg	tcctccgggc
aatctctgcc	cgtacttata
cagatgggca	actcctcggc
gcgctgcacg	gcttgtagta
cgaatccttg	tggtggttgg
gactgaaagg	cctgcgcgat
cttcaggatg	actgggggtt
gtcggggctg	tgtgtagggg
gacagccagt	aaaagtactt
aaacttctgc	gccttgaaca
ggtcatccag	aaacttctgc

aacgtgccct	tgggtggagag	caggcgggtc	aggtagattt	ccgggagcac	cttcttgcca	1800
tggctctgcc	ggtgagactt	cttgggctcc	gccagctcgt	ccgtaggcag	caccaaattg	1860
aaatacttct	ctgtgtccaa	gtctttcact	cggcccagtg	tgttgctctt	cttgtctatg	1920
agactcatgg	ccagggaggg	accttcaggg	atcttgtaat	gggccagcgt	gttaagcttc	1980
ttgcggccgt	cttccaccac	tgaggtgtcg	tccaggtccc	gaaggatgta	gctctgtgtg	2040
ctggaggcga	accactcaag	gtcgacgtcc	tctgcacgcg	gccactggga	gtagggcaca	2100
ttcttgacga	aggcctccag	gatcttctcc	ttgacctgtg	tcagcgtgtc	ggtgtccatg	2160
gcccgcacgc	tcagcgagtc	catgccacag	ccctggaagg	acacggttcag	gttccggggc	2220
ttggcctcga	tgttctcccg	cagcagccac	tcctcattga	gtgtgtagcg	ggccttgccct	2280
gtgatggcgt	cgatggagcc	cttggtgatt	tgtctgctga	tggcacacag	cagcaggaag	2340
aatggctccc	ccaccgtctc	ccgcagacag	ctgtacatgc	agatggacat	ccagttggtg	2400
agcatcttct	ccaccacaga	ctctgtgcgc	cgcagcatga	gcttgggggt	cttggcggcc	2460
gagggcatcaa	tgaggtccac	cagcagctcc	ttcatgatgc	tgggttagta	ctccagcttg	2520
ccgtgcagcg	cgatggtcag	cagcgaggcc	aggctgcacc	tgtcgcgcac	cgcaaagtcc	2580
ttctgctgct	ccagcgcggtg	gacaaagacg	atgaggaagt	gcttggtgtc	gagttagtgag	2640
gagaacaagc	taattccctc	ttccatgttg	ggccggcgagc	tctcaggaat	cttccactct	2700
cccagcagtg	ggtgggtttc	ctgtgcctgg	gagctgccct	gggagttgag	ggtctggggag	2760
ggcagcacgt	aacgctcttc	ataaaggag	gaacacttg	ggaagaagg	gcggtgcacg	2820
aagtgccttat	actccaggaa	ggggatgccc	tggctgcggt	tcagctcctt	ggtgagatct	2880
gtcatgtctg	tctgcagctc	agcgaagcct	ttgcggattt	cctctcggt	ctgagattcc	2940
atctcctcca	tctgcagcag	cgtcttctgc	cagtaacgct	cagcacgtcg	gctcttggtg	3000
cagaagacga	acagggccac	cacggagagc	agcagcagga	cgctgcagat	gacgatggac	3060
acgatgatgg	ccgtctcgct	gccccccagc	tgcagtgtgg	cgatggctctg	gttgaagtcc	3120
cctacctgga	ttgtgatggg	cagctgcccc	acggccgcgc	ccagggactc	gttgaccgag	3180
cagtggatga	ttctgtcaga	gacaaatctg	atgtcgcagc	ttacttgggc	tatcttgacc	3240
cggtactcgt	gactctggag	ccccaggtctg	tcctgtctct	tgtggataac	gaggggtgaga	3300
ggctccccgg	ggtggtgctt	gatccacttc	tcctcttggt	ccgtagagaa	ctgtgggttg	3360
gggaggtagt	ccaggcgga	cctgctgccc	cgctgtgcct	cctcggggtc	cagtagctcc	3420
tcagccacag	ccacctcgct	tgcgtaggcc	cgccattga	tgaagaagtc	cactggcgct	3480
tgacgcttgc	tcagggcccc	gggggacggg	caggtgatga	gggtggagtt	gagaaccttg	3540
cagagcgtgg	gctcccggcc	aatgtggtgg	acggccatgg	acacattctg	cacatgtgtg	3600
aaacgctcac	cagccactgt	gatggtcctg	ccgccactga	cagggctgcg	gcggggactg	3660
atggccgtga	tgaccggggt	ctgcatgtac	cagaagggtga	gggtgcccgtg	cacgcagccc	3720
cgacgctcga	agcgcacaca	cacaggcacc	ggagccggca	gggccccctc	aggcatggtg	3780
caggcgatgc	tggatatctg	gcgcacagc	tcctgtcagg	ggtctgtgtc	gttcaccagg	3840
acctggagct	cggagcctac	atggagggtca	ttcccatgga	tggatgacct	ggtgcccccg	3900
gccttggggg	ccatggtagg	ctccagggag	tggaccaggg	gcagcacgta	ggagaagcgg	3960
tcccgggact	tgcctctctt	agaggcggtc	acggtcacca	cacctgagag	tggctcctggg	4020
gctggccctg	tgacacacac	gatctcctcc	gacaccgtgt	atctgtcagg	cagtggctca	4080
caggccacac	caccaatcca	cacgccgtgg	gccacgtcac	tgagccgccc	gcccagggttc	4140
cttctctcga	tggtcagcag	ggtcccaacc	tccaacgggc	cactcagggg	ctcaatcgcg	4200
cggatctcgg	gggcggggca	ggtgccagcc	atgggctgca	gaggcccccg	caggcggcag	4260
ccatcactcc	acatacacag	gtgacccagg	tcttcgcggc	ccaggcactg	ggaacagtcg	4320
gggctgccc	tggcacagtt	atagaccatg	actgtcatgg	gctcagggct	gtccaggaat	4380
cgggctggcc	gcccccttag	ttggaggctg	agcgggaaca	cctggctctt	ccgggtcgtg	4440
tcagcacca	cctggtcaca	gcgtacaaca	gactcattca	cccacacagc	ctcgaagatc	4500
tcctccagcc	caaaactaca	ctccagggtc	gcaccctgga	aaaaggcagt	gttggccaga	4560
ggcaccagga	tgttctggga	gccaccgta	ggcaggggtg	ccaggggtga	gagcagggtc	4620
cgggggcagt	cctgagggct	cgtgggggtt	ggtgaggcct	cgacccgaga	ctgggtggaa	4680
acacaggagt	gctgctggct	gcaccagaaa	cagggccact	gtgccgacag	gcagctggta	4740
caggctgtgt	gggggtacac	ttgtgcagtg	cggctgcagt	cgtagatggg	gaaattggcc	4800
ttgacgatgt	tccgccatt	gacctcaca	gacatctcaa	cagtcacgtg	gtcctgggtg	4860
ggggggaagg	gcggaaactg	gtccctcggc	aggagggtgc	agtaggcaat	ctggtgacca	4920
aaggcagggc	ctgggacccg	agccacagtg	cggatgttgt	tcccatagtc	acaggccatc	4980
tccatgccac	tgaggctggg	caggctgccc	gagatctgca	ggatcatgcc	tgggtactcc	5040
tggcgacat	cgatctcgga	aggcaggacg	gtcatggcag	gacagcggtc	ggggccctcg	5100
ctggcactgg	tccagaaatg	ctgctggctg	gaattggtgc	agtcctgctg	caaggtgcac	5160

cgcgctctcca	gggcacacca	gccgcagtag	gcgtccgccc	cacccacgca	gtccccacag	5220
gtggagtgc	cgttgcaggc	ggcgaccttc	accctggcca	tctggtggga	cgatcatcagg	5280
taaaggtaaa	cgaggtctgc	tgggtcaaac	tgcattgacat	ggtgcacggg	ctccccatag	5340
gccacagtca	ccacccgcct	gctcaccacc	tgcattgctct	cgttcaggtt	gatcttgaga	5400
agcctcccgt	tgaccgtgcc	caggaagacc	gctgtgtagt	tgttgacgct	ggccacggcc	5460
acggagggtga	ggcccggggc	gcggaacacg	ggcgtggcct	tcaggggctg	caggatggac	5520
agcgggtgct	gcagggtgagc	agctccacag	tccagctgct	ctggctggag	ctggatgttg	5580
agcttgcgct	cgcaggcccg	tcccgtgccc	tgaccacgc	tgtcgagcac	cgccaccacg	5640
tcgggcgccc	gttccacgaa	gcaggcggtg	cgcgagctc	ggatggcggc	tcgcacgtcg	5700
gcgaagcgga	aggcgagag	tgcggccgga	gcagcgcggg	ccgcggggga	cccctggggc	5760
cgctcgaaga	cagcaaagag	ccgctcccgg	gctgggaaga	ccgacaccag	gcggctgtag	5820
aggtcgccc	ggcccgcgc	gcccgcgcac	tgcaagcca	actggatgta	ggactcggtg	5880
agcttcttgg	cgtcgcccgc	ggcgcggtg	ggcaggcaga	tgcgcgccag	caggctccgc	5940
gcctggctct	ccttgtcgcc	cgcgcgcgcc	tcgctgttga	gcgccaggta	cgcgtaggac	6000
tgtgcacccg	gcggcgggtc	ggacgggtgc	aggaaaggcg	tcacgaagcc	cagcttgtgc	6060
tgctccttgg	cgccctgctt	gatcttgagg	atgttgtcgt	cggaggggtt	gaggtcgaag	6120
gtgaagagct	tgccaggtc	gccgcgcgtg	tccagggagc	ggatggcgat	ctcgggcgtg	6180
ttctcgaagc	ggtggtcctc	caggctgcgc	ttgcgcggga	agaaggagct	gccgtaaccg	6240
gtgtacgtgg	cgcccacgag	caggcggtg	ccccccgcgc	ccgcggcggg	aggcagaact	6300
agccccacgg	tggacgcgtt	cggtgtgttg	gccgccacgt	tcagcatgct	ggggaacacc	6360
gtgacgggct	cggcgggccc	cgcggcgggc	gggaagcgca	cggccacggc	cgagatgtta	6420
ccccggcgcc	gcagctggca	gaagccctgg	tagatggacc	cgcacacgac	taccaggccc	6480
tggccggggg	ccagctgcag	gatcttggtg	tagttgtccg	tgaggcgccg	cggtgtctcg	6540
cacgaggcct	gcggcgagctg	cggagcgtga	cacagcgggc	tgtcggggcac	cgggccacg	6600
gccgcctcgg	cctccaggct	caggttggcg	cccgcacagct	gatagaggcg	gttgacggcc	6660
gccagggtaca	cggtccccgc	cgcgccgtcc	agggcgaagt	tgttgggtggg	cgtgggcgag	6720
gggaaccgac	gctggatctc	cagggcgccc	gcccgcgcgc	cccccaggag	cagcagcaac	6780
agcagcgga	ccgggcaccg	cggcggcgctc	tggaaaggcg	gggggctggc	ggcggcggcc	6840
cgggcgctaa	ggggtgcgcc	gcccgcggcg	cgaggagcca	tccgggcgtg	cgcggtctgc	6900
gcggcgcgcc	gagtgcatgg	ggcgaggcgc	ggccgggagc	cgggagcccg	gaggcggcgg	6960
gaggcggggg	gcgggcccgc	gtccgcgagg	cgcttctctg	ccgcgccagc	cgcccccggc	7020
cccggcgccc	gggcccggct	cagcctcgcc	gcgcagcccc	g		7061

<210> 4969

<211> 1173

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1174)...(952)

<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4969

aggaagagag	agagaggagt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtca	gggttgggac	60
cagagcagga	acacacgcaa	gaagggactg	agaattgtat	caacagtgc	aaagaagtca	120
aaggaattac	ttacgcataa	aatgaggact	gttccctcaga	gatgagtcag	tcctgagaag	180
ccaaccaagc	cgggtactct	gagtcctggat	ccgaccttgc	tagaaatacg	gtctgaggca	240
gcagagggttc	tatgagagtc	cacagaaggt	cagcacaggc	taaggtaaaa	gcagggcaat	300

```

agggtttcttg tgttctattg gcgaaagtag aatagaatag aacagaaaaa ctgagtgggc 360
aaaatgagaa ttggcaaaaa ggtatcatta ggctcatacc taccacaact ctacagccct 420
accacttacc agaatggata gattcctagt cgtgtaacca taaaaacagc actgaagatc 480
acaaaaaggg tgtcacagag ccgctgatac ttggcataat tggccagttt ggctgcctgg 540
agaaagggaag aaagaattga gctggggaga aagtcattcc tctcatagga agaaaagaag 600
agaagaagaa gatggagaaa gagagattgg gtttttacct ccagcaagaa gtctgagaca 660
tcatgtagac acatgatcag agttcccact cgaatcatat tggtgatgta ggagaaggag 720
ataagcccaa tggtgaccaaa gtgatgcaca aacatgatca ggaagtccta ggaaggaaatg 780
gaaatagaag agggaggtaa aagctgggcc ctagaaacac cagccaaccc aacgtcctgc 840
attattctct gagaatctta cccaccccca tatagaatag tttccattgg ccgggcgagg 900
tggctcatgc ctgtaatccc agcactttgg gagggcaagg ttgtcggatc acctgaggtc 960
aggagtctga gaccagcctg gccaacatgg ggaagccccg tctctactaa aaatacaaaa 1020
ataagccggg cttggtggca tgtgcctgta atcccagcta ctcgggaggc tgaggcagga 1080
gaattgctca aacctgggag gtagaggttg cagtgaactg agatcgcgcc actgcactcc 1140
agcctgggag acagactgag attccgtctc aaa 1173

```

```

<210> 4970
<211> 4413
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(4012)
<223> similar to gi6014482 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4970
atggcactta agaacattaa ctaccttctc atcttctacc tcagtttctc actgcttatac 60
tacataaaaa attccttttg caataaaaac aacaccaggt gcctctcaaa ttcttgccaa 120
aacaattcta catgcaaaga tttttcaaaa gacaatgatt gttcttggtc agacacagcc 180
aataatttgg acaaagactg tgacaacatg aaagaccctt gcttctccaa tccctgtcaa 240
ggaagtgcc aattgtgtgaa caccacagga gaaaggagct ttctgtgcaa atgtcctcct 300
gggtacagtg ggacaatctg tgaaactacc attggttcct gtggcaagaa ctctgccaa 360
catggaggta tttgccatca ggaccctatt tatcctgtct gcatctgccc tgctggatat 420
gctggaagat tctgtgagat agatcacgat gagtgtgctt ccagcccttg ccaaaatggg 480
gccgtgtgcc aggatggaat tgatggttac tctgcttct gtgtcccagg atatcaaggc 540
agacactgag acttggaagt ggatgaatgt gcttcagatc cctgcaagaa cgaggctaca 600
tgcctcaatg aaataggaag atatacttgt atctgtcccc acaattattc tgggtgaaac 660
tgtgaattgg aaattgacga atgttggtcc cagccttggt taaatggtgc aacttgtcag 720
gatgctctgg gggcctatct ctgagactgt gcccctggat tccctgggga tcaactgtgaa 780
ctcaacactg atgagtgtgc cagtcaacct tgtctccatg gagggctgtg tgtggatgga 840
gaaaacagat atagctgtaa ctgcacgggt agtgatttca cagggaacac ctgtgagacc 900
ttgatgcctc tttgttggtc aaaaccttgt cacaataatg ctacatgtga ggacagtgtt 960
gacaattaca cttgtcactg ctggcctgga tacacagggt cccagtgtga gatcgacctc 1020
aatgaatgca atagtaaccc ctgccagtc aatggggaat gtgtggagct gtcctcagag 1080
aaacaatatg gacgcacac tggactgcct tcttctttca gctaccatga agcctcaggt 1140
tatgtctgta tctgtcagcc tggattcaca ggaatccact gcgaagaaga cgtcaatgaa 1200
tgttcttcaa acccttgcca aaatgggtgt acttgtgaga acttgccctg gaattatact 1260
tgccattgcc catttgataa cctttctaga actttttatg gaggaaggga ctgttctgat 1320

```

attctcctgg	gctgtacca	tcagcaatgt	ctaaataatg	gaacatgcat	ccctcacttc	1380
caagatggcc	agcatggatt	cagctgcctg	tgtccatctg	gctacaccgg	gtccctgtgt	1440
gaaatcgcaa	ccacactttc	atttgagggc	gatggcttcc	tgtgggtcaa	aagtggctca	1500
gtgacaacca	agggctcagt	ttgtaacata	gccctcaggt	ttcagactgt	tcagccaatg	1560
gctcttctac	ttttccgaag	caacagggat	gtgtttgtga	agctggagct	gctaagtggc	1620
tacattcact	tatcaattca	ggtcaataat	cagtcaaagg	tgcttctgtt	catttccac	1680
aacaccagcg	atggagagtg	gcatttcgtg	gaggtaatat	ttgcagaggg	tgtgaccctt	1740
accttaatcg	acgactcctg	taaggagaaa	tgcatacgca	aagctcctac	tccacttgaa	1800
agtgatcaat	caatatgtgc	ttttcagaac	tccttttttg	gtggtttacc	agtgggaatg	1860
accagcaatg	gtgttgctct	gcttaacttc	tataatatgc	catccacacc	ttcgtttgta	1920
ggctgtctcc	aagacattaa	aattgatttg	aatcacatta	ccctggagaa	catctcgtct	1980
ggctcatcat	taaatgtcaa	ggcaggctgt	gtgagaaagg	attggtgtga	aagccaacct	2040
tgtcaaagca	gaggacgctg	catcaacttg	tggctgagtt	accagtgtga	ctgccacagg	2100
ccctatgaag	gccccaaactg	tctgagagag	tatgtggcag	gcagatttgg	ccaggatgac	2160
tccactgggt	atgtcatctt	tactcttgat	gagagctatg	gagacaccat	cagcctctcc	2220
atgtttgtcc	gaacgcttca	accatcaggc	ttacttctag	ctttggaaaa	cagcacttat	2280
caatatatcc	gtgtctggct	agagcgcggc	agactagcaa	tgctgactcc	aaactctccc	2340
aaattagtag	taaaatttgt	tcttaatgat	ggaaatgtcc	acttgatatc	tttgaaaatc	2400
aagccatata	aaattgaact	gtatcagtct	tcacaaaacc	taggatttat	ttctgcttct	2460
acgtggaaaa	tcgaaaaggg	agatgtcatc	tacattggtg	gcctacctga	caagcaagag	2520
actgaactta	atggtggatt	cttcaaaggc	tgtatccaag	atgtaagact	aaacaaccaa	2580
aatctggaat	tctttccaaa	tccaacaaac	aatgcattct	tcaatccagt	tcttgtcaat	2640
gtaacccaag	gctgtgctgg	agacaacagc	tgcaagtcca	acccctgtca	caatggaggt	2700
gtttgccatt	cccgggtggga	tgacttctcc	tgttcctgtc	ctgccctcac	aagtgggaaa	2760
gcctgtgagg	aggggtcaaag	gtgtggattc	agcccgtgtc	ctcacggagc	ccattgccag	2820
ccggtgcttc	aaggatttga	atgtattgca	aatgctgttt	ttaatggaca	aagcgggtcaa	2880
atattattca	gaagcaatgg	gaatattacc	agagaactca	ccaatatcac	atttggtttc	2940
agaacaaggg	atgcaaagt	aataatattg	catgcagaaa	aagagcctga	atttcttaat	3000
attagcattc	aagattccag	attattcttt	caattgcaaa	gtggcaacag	cttttatatg	3060
ctaagtctga	caagtttgca	gtcagtgaat	gatggcacat	ggcacgaagt	gaccctttcc	3120
atgacagacc	cactgtccca	gacctccagg	tggcaaatgg	aagtggacaa	cgaacacact	3180
tttgtgacca	gcacaattgc	tactggaagc	ctcaactttt	tgaaggataa	tacagataat	3240
tatgtgggag	acagagctat	tgacaatata	aagggcctgc	aagggtgtct	aagtacaata	3300
gaaatcggag	gcatttatct	ctcttacttt	gaaaatgttc	atggtttcat	taataaacct	3360
caggaagagc	aattttctcaa	aatctctacc	aattcagtg	tcactggctg	tttgagttta	3420
aatgtctgca	actccaaccc	ctgtttgcat	ggaggaaact	gtgaagacat	ctatagctct	3480
tatcattgct	cctgtccctt	gggatgggtca	gggaaacact	gtgaactcaa	catcgatgaa	3540
tgcttttcaa	acccctgtat	ccatggcaac	tgctctgaca	gagttgcagc	ctaccactgc	3600
acatgtgagc	ctggatacac	tggtgtgaac	tgtgaagtgg	atatagacaa	ctgccagagt	3660
caccagtgtg	caaattggagc	cacctgcatt	agtcatacta	atggctattc	ttgcctctgt	3720
tttggaat	ttacaggaaa	attttgacaga	cagagcagat	tacctcaac	agtctgtggg	3780
aatgagaaga	caaattctcac	ttgctacaat	ggaggcaact	gcacagagtt	ccagactgaa	3840
ttaaaatgta	tgtgccggcc	aggttttact	ggagaatgg	gtgaaaagga	cattgatgag	3900
tgtgcctctg	atccgtgtgt	caatggagggt	ctgtgccagg	acttactcaa	caaattccag	3960
tgccctctgtg	atgttgccct	tgctggcgag	cgctgcgagg	tggaacttggc	agatgacttg	4020
atctccgaca	ttttcaccac	tattggctca	gtgactgtcg	ccttgttact	gacccctctg	4080
ctggccattg	ttgcttctgt	tgtcacctcc	aacaaaagg	caactcaggg	aacctacagc	4140
cccagcgtc	aggagaagga	gggctcccga	gtggaaatgt	ggaacttgat	gccacccct	4200
gcaatggaga	gactgattta	ggagcattgt	gtcccttcga	gatggggatc	cacacactgt	4260
gaatgtgatg	actgtacttc	aggtatctct	gacatactcg	acaatgttaa	tctgcaactg	4320
ggattacact	ggaactacag	gaatgattcc	tttgaccacc	ttaaaaactt	tcacagtgg	4380
tccgctcgac	accattgttt	tattatatta	tat			4413

<210> 4971
 <211> 1489
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (354)...(1087)
 <223> similar to gi861392 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4971
 ggggaacaga ggaacattaa tggccagagg aacaccgtcc cgctgagaga gtgacgcgga 60
 agcaggcaag ctcccttgcc cctccacact ggtgcctgtg aaggctcctag gctctactgt 120
 tcctttgtct catttacccc catggccctg gtgctcagca caatccatgt ccagccctta 180
 ttaggtgttt caggaagtgt ttggatgcag aggggtctgca cagggagtca agcctgggga 240
 gagggaggaa ggtgaggggtg gcacgggtcag ggctggggag cccgatggtc ggggtcttac 300
 tcccagggat gtcctgagca gtgacgggct tgttcttaca ggcgctgatc ccgctggccc 360
 tgggaaggcac ggacgtgggg cagacaaagg cagcccaggc ccttgccaag ctaccatca 420
 cctccaaccc ggagatgacc ttccctggcg agcggatcta tgaggtggtc cggcccctcg 480
 tctccctggt gcacctcaac tgctcaggcc tgcagaactt cgaggcgctc atggccctaa 540
 caaacctggc tgggatcagc gagaggctcc ggcagaagat cctgaaggag aaggctgtgc 600
 ccatgataga aggtacatg tttgaggagc atgagatgat ccgccgggca gccacggagt 660
 gcatgtgtaa cttggccatg agcaaggagg tgcaggacct cttcgaagcc cagggcaatg 720
 accgactgaa gctgctggtg ctgtacagtg gagaggatga tgagctgcta cagcgggagc 780
 ctgccggggg cttggccatg cttacctcca tgcggcccac gctctgcagc cgcattcccc 840
 aagtgaccac aacttggtg gagatcctgc aggcctgct tctgagctcc aaccaggagc 900
 tgcagcaccg ggggtgctgtg gtggtgctga acatggtgga ggcctcgagg gagattgcca 960
 gcaccctgat ggagagtga atgatggaga tcttgtcagt gctagctaag ggtgaccaca 1020
 gccctgtcac aagggtgctg gcagcctgcc tggacaaagc agtgggaatat gggcttatcc 1080
 aacccaacca agatggagag tgaggggggtt gtccctgggc ccaaggctca tgcacacgct 1140
 acctattgtg gcacggagag taaggacgga agcagctttg gctggtggtg gctggcatgc 1200
 ccaatactct tgcccatcct cgcttgctgc cctaggatgt cctctgttct gagtgcagcg 1260
 ccacgttcag tcacacagcc ctgcttgccc agcactgcct gcagcctcac tcagaggggc 1320
 cctttttctg tactactgta gtcagctggg aatggggaag gtgcatccca acacagcctg 1380
 tggatcctgg ggcactctgga agggcgacac catcagcagc ctcaccagct gtgagcctgc 1440
 tatcaggcct gcccctccaa taaaagtgtg tagaactcca aaaaaaaaaa 1489

<210> 4972
 <211> 887
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (227)...(373)
 <223> similar to gi5726241 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4972

cacaatttca	gctcactgca	gcctccgcct	cccaggttcg	ggtgattttc	ctgcctcagt	60
ctccagagt	gctgggattg	cgggcgccc	ccaccacgcc	cggctggttt	ttggtatggt	120
tagtggggac	ggggtttcgc	catgttgacc	aggctggctc	tgaactactg	acctcgggcg	180
atccgcctga	ctcagcctcc	catagtgccg	gcattacagg	cgtgagccac	cgcctggcat	240
ggtgcagaag	ctggatacct	accaggagta	caaggaggct	gcgtcctctt	accagggaagc	300
ctggagcaca	ctccggaagc	aggtgttttg	atcctggatc	agaaacccac	cggattatca	360
ccagttcaag	tgagaaggaa	atgtttgctc	tggtagcagg	acccttcac	ctgaactgcc	420
ttcctccacg	caggacaagt	cttagctttt	ttggtagtta	aatcaggga	cattctttct	480
gagctttgca	tctctgttgt	gtaatacaga	tggaaatctg	aacttagagc	aagctatact	540
tgattgaagt	agctctctgc	taaaatggca	tctcactaat	gacctcacta	tctgacttcc	600
attgtgtttt	attgcttctc	taaaatatga	aatcagagtt	tggaacatga	tgctttgaaa	660
gtactctgca	gcagctctgt	tttatgggtt	cctacattga	ttcagcaaat	atttattgag	720
ctgaaatgat	gtttgacgct	ctgcaagttt	tacagctttg	cctagcatag	cgaacatata	780
ttttgtattc	ccagcctttc	tttcttcagg	gagccattct	tttcccatto	ttcagtgatc	840
ctgctctgtg	cctcagactt	ggctgaaggt	aaccttactc	cctggct		887

<210> 4973

<211> 2550

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2156)

<223> similar to gi473522 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters -

<400> 4973

gatggcgcg	gagctatacc	acgaagagtt	cgcccgggcg	ggcaagcagg	cggggctgca	60
ggtctggagg	attgagaagc	tggagctggt	gcccgtgccc	cagagcgctc	acggcgactt	120
ctacgtcggg	gatgcctacc	tggtgctgca	cacggccaag	acgagccgag	gcttcaccta	180
ccacctgcac	ttctggctcg	gtaaggagtg	ttcccaggat	gaaagcacag	ctgctgccat	240
cttcaactgt	cagatggatg	actatttggg	tggcaagcca	gtgcagaata	gagaacttca	300
aggatatgag	tctaataact	ttgttagcta	tttcaaaggc	ggtctgaaat	acaaggctgg	360
aggcgtggca	tctggattaa	atcatgttct	tacgaacgac	ctgacagcca	agaggctcct	420
acatgtgaag	ggtcgttagag	tggtagagagc	cacagaagtt	ccccttagct	gggacagttt	480
caacaagggg	gactgcttca	tcattgacct	tggcaccgaa	atttatcagt	ggtgtggttc	540
ctcgtgcaac	aaatatgaac	gtctgaaggc	aaaccaggta	gctactggca	ttcgggtacaa	600
tgaaaggaaa	ggaaggtctg	aactaattgt	cgtggaagaa	ggaagtgaac	cctcagaact	660
tataaaggta	ttgggggaaa	agccagagct	tccagatgga	ggtgatgatg	atgacattat	720
agcagacata	agtaacagga	aaatggctaa	actatacatg	gtttcagatg	caagtggctc	780
catgagagtg	actgtggttg	cagaagaaaa	ccccttctca	atggcaatgc	tgctgtctga	840
agaatgcttt	attttgacc	acggggctgc	caaacaaatt	ttcgtatgga	aaggtaaaga	900
tgctaattccc	caagagagga	aggctgcaat	gaagacagct	gaagaatttc	tacagcaaat	960
gaattattcc	aagaataccc	agattcaagt	tcttcagaa	ggaggtgaaa	caccaatctt	1020
caaacagttt	tttaaggact	ggagagataa	agatcagagt	gatggcttcg	ggaaagttaa	1080
tgctcacagag	aaagtggctc	aaataaaaaca	aattcccttt	gatgcctcaa	aattacacag	1140


```

ttctccgcag atggcagccc agcacaatat ggtggatgat ggttctggca aagtggagat 1200
ttggcgtgta gaaaacaatg gtaggatcca agttgaccaa aactcatatg gtgaattcta 1260
tggtgggtgac tgctacatca tactctacac ctatcccaga ggacagatta tctacacgtg 1320
gcaaggagca aatgccacac gagatgagct gacaacatct gcgttcctga ctgttcagtt 1380
ggatcgggtcc cttggaggac aggctgtgca gatccgagtc tccaaggca aagagcctgt 1440
tcacctactg agtttgttca aagacaaaacc gctcattatt tacaagaatg gaacatcaaa 1500
gaaaggagggt caggcacctg ctccccctac acgcctcttt caagtccgga gaaacctggc 1560
atctatcacc agaattgtgg aggtttagat tgatgcaaat tcaactgaatt ctaacgatgt 1620
ttttgtcctg aaactgccac aaaatagtggt ctacatctgg gtaggaaaag gtgctagcca 1680
ggaggaggag aaaggagcag agtatgtagc aagtgtccta aagtgcaaaa ccttaaggat 1740
ccaagaaggc gaggagccag aggagttctg ggaattccct tgggagggaa aaaaagactt 1800
accagacctc tcaccactac tggaaaccca ggctgaagac catccacctc ggctttacgg 1860
ctgctctaac aaaactggaa gatttgttat tgaagagatt ccaggagagt tcaccaggga 1920
tgatttagct gaagatgatg tcatgttact agatgcttgg gaacagatat ttatttggat 1980
tggcaaaagat gctaatagaag ttgagaaaaa agaattctctg aagtctgcca aaatgtacct 2040
tgagacagac ctttctggaa gagacaagag gacaccaatt gtcatcataa aacagggcca 2100
tgagccaccc acattcacag gctggttcct gggctgggat tccagcaagt ggtaaattgg 2160
tatttgtaaa aagcaaaaca acattacaag gcagttatct cattgctgtt ttgggagagg 2220
aacgggaaaa gctttttgct tatttgtctt ttgaaaatta aggctgggag cggtggctca 2280
cacctgtaat ccagcactt tgagaggatg aggtaggcgg atcactgggg tcaggatttc 2340
gagaccagcc tggccaacat ggcgaacact cgcctctact aaaaatacaa aaaaattagc 2400
tgcgcgtggt ggtgcacgcc tgtagtccct gctacttggg aggttgagac aggaaaattg 2460
cttgaaccca ggaggctgag gttgcagtga gccaggattg cgccaccaca ctccagcctg 2520
ggcaacagag actctgtctc aaaaaaaaaa 2550

```

<210> 4974

<211> 1100

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(238)

<223> similar to gi5834580 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4974

```

actggaagag aaacttttct accctgagtg cgagataaga acgatgggtg gaagagagca 60
acgccagagc ccaggcgccc agaggacttt cttccagctt ctgctgtcct tctttgtgga 120
gagcaagctc caccaccacg ctgcttactt agtagacaac ctgtgggact gtgcagggac 180
tcagctgaag gactgggagg gtctgacaag cctgctgctg gagaaggacc agagcacgtg 240
ccacatggag ccaggggccag ggaccttcca cctcctaggg tgaaaccagg agggattgct 300
tgcttcactt gtacaaggca ggaacggtgg catcggttgg gggaaacttg gagtgggaag 360
gtggctaata tttgattcta tgtttttgat cctcctggca ctccagacct gggatgatgtg 420
caggagagca cactgataga aatccttgtg tccagtggcc agcaactcct gcctcagcct 480
cccagagcag tgggactaca ggcgcccgcc accacgcctg gctaactttt ttgtattttt 540
ggtagagacg ggttttcacc gtgttgacca ggatggtctt gatctcttga ccttgtgatc 600
cacctgcctc atcatcccaa agtgctggga ttacaggcgt gagccactgc gccagcatg 660
ttagacaatt ttaattcat cctctctgtg ctgttgtttt ctcagctgtg aaaggaatat 720
tctggtgggg acaaggttac agagttgctg agagggtctc atgacatgaa ggtactggcc 780

```

ttggcacagt	gcctgggggg	gcgggggactc	cgcacatgcc	tgtgatgtca	cagttactgt	840
cagttcacag	cgaaccttcc	ctccttttcc	tggtgacttt	cccacactcc	tgtaaccctc	900
cctccctccc	ttcttctct	ctctctctct	cactcacgca	cacgcacaca	cacacacaca	960
cacacactcc	attcactgtc	tccatgactc	tggagtaaac	taacgtctcg	agttgccatt	1020
ggaagcccca	ttgtcctcat	ttagactttc	atgggttata	ggcacttttg	acttctctgg	1080
gtccttcttc	agataaaaaa					1100

<210> 4975
 <211> 885
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(886)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (850)...(652)
 <223> similar to gi3659694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4975	
tttttttttt	ttgagatgga ttgaagcgac tgccttttatt gcatagacct tttcaattgc 60
tttttagatt	ggggacggag gacgcgcatg agacgaacag gggatatgaa tttccccgcc 120
cccacccgcg	ggtagaggaa cattaggtgc aaatcctagc gccggccccg gggaacctgc 180
ccctcctggg	ctgattggcc agctaaatgg aggcaccgga gtggatgggg cgaggctgcg 240
ggccctgacc	ggccgactca ctgaggccta cccagccag tacattccag gtcctgtcat 300
tgggcgacgc	gtaaaataga ctccgccctc agccatcctg gccgggtagg agcagggtggc 360
aagcgtcagg	actgagccct gccccgtaag ggcggcccca gatcagacgc caggccccgc 420
cctcattgat	caggcactac cctcgggacg agcccatctc tctttaaccg tgacgacgcc 480
caccttccag	catcacgtct ggtcccatga aagcgagcgc aatcctgaga cggggccagg 540
gcccttgcca	ccacaactct agcagccagg ccacaccccc tagctcaggc tccgccccat 600
tggaatgtag	gccccgcccc cggcgggtac caagcttggt tagtttcagg gctcccggcc 660
cgggcagcca	ggaggccccag tgagcagtgt accgatgcca ggggtgcatct gtgcctgtag 720
cggcccatat	tccacctgct ccccgccac tgtgagcacg ccgcgtgggtg tgagcggctc 780
taggcggaag	gcacggaccg cggcgtagcc cagctgcgga cagcccaggc tgaagtggct 840
accacgtcc	gaattccncc gactggact agggatgntc aacat 885

<210> 4976
 <211> 2467
 <212> DNA
 <213> Homo sapiens

<220>

0948325-047100

<221> misc_feature
 <222> (2463)...(1784)
 <223> similar to gi5304869 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4976

tttttttttt	ttaccactta	gattaagtta	tgaaatttat	ttatagtttt	accttatata	60
aaagccatgt	atatatcaaa	tctcactttc	ttggtaaagt	catcttatta	gaaatacaag	120
aagtgcactt	aatacaagga	agtaagtttc	tcggtgccac	caggtgaggt	ggtacataca	180
ctcacatcag	tccctcaaac	gaagggtttc	ggcagatttc	cccttccaga	cttctgagat	240
gatctgaatt	caggaagggtc	tgagtgaact	tcttccagaa	attacagtga	aacaagctga	300
ccttaacttt	tgggtcctcc	cgagaaatac	taatgaaaaa	actatttttt	tccagtgggc	360
cctgtgtttg	ctggcttctc	ggcatctgca	gctcttcacc	ggcaggcgcg	gagccccaca	420
gcagcagtgt	acaagcgcg	ggtagcactt	gcagccccat	cagagacata	tgacatcaaa	480
aaaccaacct	aaacccatat	gccttttggt	caatcagagg	ttctgctcct	acagattagg	540
ctgacagctc	ttggacttat	atztattaat	atltgtgaaa	tatgaactcc	aaggttcttg	600
agctgttcct	aaagcaagtt	tccagcaaca	gcttttatta	acaactgttc	atcttgcgat	660
gtgctgtgcc	ttatgaacga	tgtctcgta	gaacagacca	ggggtggtac	tgggtttcct	720
atagcttctc	tctgcatcta	caaagcaggt	tttcaaacac	atlttacatg	tcgaaaccag	780
tgtcataagg	aaaacatttg	tgacagaaaa	acaatgctca	gtttaatcta	agttaccaag	840
cagaaggtaa	aagaactagt	atccgctgag	tccccaacc	tctttcttct	aattcatctg	900
aggatttttt	gtgcttctag	aacaagaatg	taggcaggct	cccaaaggga	gaggtaaaca	960
tgaccgcgtt	gtttgaaact	acttcattaa	tttgtaaatc	agaacaaaaa	agctctggcc	1020
ctcccacttc	tcttagctga	ccctcctccc	cacttacgga	taaacagact	ttaacttccc	1080
taaccagaa	acacttccac	caaaaatgta	tggttatacc	ttatcctaaa	aaggcaccat	1140
gcaggcattt	aagactgaac	cagtgaactc	taagtatgta	gtagtagaaa	atatcactaa	1200
tcaaaacttc	cagcatcaga	tggtacaaaa	ccccaaagg	actggtgaca	tgtaccccgg	1260
ggatggccaa	ccccagcttc	ttggcaaccc	cacaagccca	agcggggagc	ttcagctctg	1320
gtcaggtgca	cggctgccaa	agtctgcaca	ccttggggac	aaggaaagga	gacacttgct	1380
tcattgtgct	attcatgacc	cagaaaagggt	cctggctggc	ttgaaggacc	cgagagcaaa	1440
acactggatg	ggaggaatga	gtgtgaaaca	agaggtggag	aagctagatt	atcttccaca	1500
ggaggcggca	gaagctccag	gaagtagccg	agaaccaata	cgaactcgac	cgtgtgacaa	1560
acaaggttaa	cagtagggga	agacagcttt	ggcaagagcc	caaagggaag	agaagggtctg	1620
acctggggac	ccacttcccc	tgtcagaagt	gaccctgtcc	caatgccatg	gctcattttc	1680
aggtctgttg	aacaggtaag	gtacaggagt	catagatttc	acgtttaata	tgtaatggaa	1740
gctctgtaac	atgagacaga	tagcaagcac	ggactctgct	cactggctga	tgatggagcg	1800
ctgcaacacc	tgattcatca	tgtcctcttc	atcaacatca	taatccacaa	aagtgtcata	1860
agaaaaccgg	tgccggcgct	ggatgtgctc	tctgaagttg	gcgctgcggt	agttgggggtc	1920
tccccagggc	atcgaggcac	atatcgggaca	aaccacagat	ttggtatccg	tgctatggaa	1980
taatttgcag	tgttccacaa	gtccttcctg	atcaaagttc	ttctcaggac	agtaaggaca	2040
aggaaagggtg	taacggtttg	gaacattcct	tggttgaaaga	gatgcatcct	taatggtggc	2100
cttcacacct	tccatgatgt	aattctggta	tttggaaaca	gtagccacgt	gggaccggat	2160
cttggacagg	aagaaattct	tacggcagcc	atggcaagaa	gtctctgtgc	tctcgatctg	2220
ccgctcgagc	tccacggctc	ggacgccagg	tgccagagcg	ctgcgacaca	ccccacagac	2280
aggcttcttc	ggcttcagac	attcctgcag	gcatgcagag	caaaagacgt	gtccgcaggg	2340
cacctgtacc	ggcttctcgt	acacctctaa	gcacacggga	cacgtgaagc	gtcctagggg	2400
gtcagcctcc	gccgccgggc	ccgccagctg	cgcagcacc	ccgcagtccc	gctgttgccg	2460
cacgaaa						2467

<210> 4977

<211> 1010
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1011)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (19)...(120)
 <223> similar to gi5930071 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4977

cttcttcttt	ttaacctcag	gttaacccca	aagattgtct	tttcttgagg	tgaaatcagg	60
aacatctctt	tcaatgacaa	aaagtttgtc	attaaaccca	tcgacaagaa	ggcacctgta	120
agttccaaag	gattctattc	aggggctact	actttttcat	tcttatactt	gtcagggtaa	180
cggacaagtt	atactgtgac	gagtagccag	tgatagtcca	aactcctcat	gaggttacat	240
tgagggccag	agatcctgtg	ggccaggcaa	ttgctgcagg	ggagaccact	taacttttca	300
aatgattctc	attccttatg	aagaaaaggg	cagttctgag	ccattggcca	aatgataagc	360
atttcccaaa	atgctgtgtt	tttggtgtgg	agagccagcc	tgtccccttg	accacctggg	420
tgcagggact	ctccccggca	cctgacggac	agtgggacct	gcgagtctca	agggccagat	480
ttgcctttca	gagctgtcct	ggaacttacc	caagataggg	acagtcagac	ttgcacccaa	540
gcattgctgg	tgcccaaggt	ttcatcgggg	cttcacccac	ttctgttgtc	agaggtgtgc	600
atcctcacac	aggtgacact	ggcaggcagt	cattttggga	ggacatggta	agaaggcgac	660
actttatgtc	ctgaaatctg	atagtattga	ttgtaatagc	tgcaaagacc	agtgcattat	720
gtaaatttgg	ttttatttat	tcttctgaca	tttaaacttt	tgtaactca	gaatatttga	780
gacatacgca	cataactgta	gcattgtaga	atgggtaagg	attttggtat	ctaatacagaa	840
atctagttct	ctaaaaaaat	tgccacctga	aggaaattct	gttaccacct	taggagcctg	900
ttctggaatt	ttacgaaaat	tataggatgg	ggaaagggac	ttttgtgttc	ctccatgggt	960
antttttgtt	nccctagggt	accagtgttt	aagccttggg	gggagggcca		1010

<210> 4978
 <211> 1001
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (927)...(556)
 <223> similar to gi4584796 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4978

ttttttatca	ttgacaatgt	ttattatcaa	gaaactttag	gtttttttaa	agaatgctcg	60
------------	------------	------------	------------	------------	------------	----

ttttagaata	caccaagagg	acactctgtg	acaggacata	tacaaacaag	gataattaaa	120
atattaaata	ctatctaaat	taaaagacca	taattcaaat	tgctaattat	aatattttgtg	180
tcggtagaaa	taactatagt	tccccttcat	gaaattcacc	cccacgttct	catgaagact	240
atgacgtctc	accacaatth	cagttattta	atttacaata	atcaatgctg	agttttctgt	300
gctgaagcat	gcactgttac	agaaagcaca	aaatcctatt	tacagggatt	tttagttttc	360
tttaaaatgt	atctcaagca	tctttttaaag	tgcgagctac	aaatagggtg	tatccttaat	420
gaaaaaggct	tctttctaaa	agaagtatga	gatagctatc	caatactgca	ggaacagtta	480
tataactaac	cgaaggaacc	agcagcactc	tgctaactct	gttttagtgt	agcaacctcc	540
ttcttggtgt	tctactacca	gccaaacatg	tactccattg	ctttggatac	aagactttca	600
tctttttttg	gcgtttgtct	gtcagaaata	acctgataat	cactagtaga	ggctttgtat	660
gctgtagcaa	gaggtctcat	ggtagaaatc	ctaggagtac	ttccagggtg	tgttggtgta	720
cctagagttt	tgattggtgg	tgtaaaggct	aaagatggag	atgataaagc	acatctgtca	780
ctgctttcca	taacactttt	gtcaatacat	ggtttttacac	caatcatgat	ggattctcca	840
aaaatcctcc	catctttgtc	taaggctttc	cgagcctgca	gttttagattg	ataacgaata	900
tgcatccaat	ttcctgtatt	agacatctgc	aaagaataaa	gctgtctcgt	aaaatagaaa	960
atatataaaa	tctgcctcta	atgaattcta	ctagaaaata	g		1001

<210> 4979
 <211> 2745
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2747)...(1928)
 <223> similar to gi574804 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4979	
tttttttttt	ttcaaatgta ggttgtttta ttgtaaatgt catcaaaatc cagaacagca 60
gaaacatatt	aatcagtttg aaatttttag aatccttttag cacttgaaaa agagtattac 120
aaatgcatct	atatcacata gaaagtcagc gaatacaaac tagacaagca ggacatagtt 180
cttttctggc	attccaggat aataagaata tttatcaatt aaaagggtcaa tatctgtctt 240
cctgaaataa	ctccaaacct gagtcaacac acattctttt cggattgggt ctgactggcg 300
taagaagaga	aatacagcat tttgtttttt attttgttta tctaatacaca gggaaggata 360
aacaaagggc	aaaagtgaga gaaaaagtta gatgtccttg aatttttttt tttagtgggt 420
gctactgcat	ttcatgtttc atttttgtta gatcatatac attagaaaag aatgatacat 480
tttagagaag	aaatatgtac atacatagta tcagaaataa ttttcttgta ttgattcatt 540
taatatgggt	gtgcttataat tcaatcagaa ggtcaactcc tttgctctaa ggttctttaca 600
ctgctaacaa	gaaatggctt ttttctgtgt gcagggtcatg agcagcacac agtgtccttt 660
ctaggcacat	aggatcatcg atcactgtgt ggacgcaggc taatcagaat tgcacctgaa 720
atcacttggt	caattagtga tgcaagagtg atcacaggaa tcaagactgg gagccaagag 780
aaagaacaag	aggtgcacaa agaagcagtt cggatgggag accaggaaag ctgaggggaa 840
aactgggaaa	cagattctgg aaaactcaca gtttgtttga taccagggt taagagatgg 900
gactttgata	ggagtgggtg ttatgaatta agggaggaag aaagaggtga gatcctaattg 960
ttggtaaagg	tacagagaca aaggggagcca accaagtggg aagaaaactta gaaatggaaa 1020
gtaaaaatga	gacttaattc tttagtcagg gaagccaagc caccaggaaa acttggtaaa 1080
gagtaagaga	aagagggaga aaatatgaga taatattttg ggtatttttg tataactagg 1140
ggaacaaaaa	tattattcct atagtataaa aaggaacaaa gtaaagcaat atggatctat 1200
tgggattccc	tattccacca atgaaaatta tcaacaata atttgtctct caggcaatgc 1260

tactagaagt	tacttatata	gttgccttat	tgttcattta	atttcagttt	aactgaagcg	1320
attttgccct	tttccttcct	tctacgtggt	cactctgctg	ttcaaagggg	aagcaccatt	1380
tgttcaggta	aagcaattgg	tgtttgaaat	ccttccgata	gatacgccat	ctcagagggc	1440
tgctaataata	actaactgta	caagacacac	ataatttttag	gttggccatt	cttgtgtata	1500
ggggtaatct	aaagctagta	gttacacccc	acaaaagaaa	ataaattcct	atgacctctt	1560
tgatcccacc	tgaaatatct	cacaataaac	aaacaaataa	ataataagca	aacaaaaaca	1620
aacagtagcc	ttccccagtt	gcagggggcct	aaaatatctc	ctaattctgaa	tttcgtctca	1680
ggacaggaaa	ctattccata	ggcttcctcg	caggcttctg	tgctggagtt	tgtcccactg	1740
actttggttg	tccatctctc	tacaagaagg	gaacattctg	aaacttagtt	taaatactac	1800
taggccttag	aatcttttgt	aggtagttgc	tgaaacttga	agttgaataa	tactttgaag	1860
tactatgtta	cattgcatta	tgaaaacctt	catttttgta	gctgtctctt	gatctgccc	1920
acatgtcaca	caaatataga	agaaacggaa	tctgcaatac	cacaaacatt	acttcccatt	1980
ttgacatggg	cataaccatc	tactcccca	gaacttcccc	aggaattccg	cacaatccaa	2040
tatggagtgc	ttcctgtttt	atcaaacc	gttatgagaa	ctgcatgatt	tgcttctcca	2100
ctagagcagt	gatgctgtat	aatgcctccc	agataatctt	gccagctcac	tgcatctact	2160
atgactacca	aagggccaaa	ggtaagaagt	gcttttgcca	tttcatcttc	ttgggtcactg	2220
aagtcatatg	cagaataaacc	tttgattgaa	aatccagaat	gtgaaccaga	aaagtaatgg	2280
cacagaccat	tttgtgcttt	aaaaggatat	tctgaatctt	tcaccagttt	tacttgcatc	2340
ttgtttaacc	agttcaaagc	attgagagta	gagcctccat	tgacagccata	attattatac	2400
gaacagtcaa	tgacctgctg	gacacttagg	tcttccagg	gcttccccctt	tattgcataa	2460
gcagattcca	ctgccccac	cacgctgaag	gccagcatc	ctccacacat	ctgctggttt	2520
ctcacttggtg	tcacaacctg	cttgtccctc	cagtcaaatac	ttaacggcaa	agacacattg	2580
gggatggaca	tatgtacttc	tgctgagtat	ctgggaaact	tggaagggtt	gcttcttaaa	2640
taaatggctt	taaactcttc	aggaaacaaa	taggaaact	gatttattcc	atagaaggcg	2700
gtggagtttt	cactgggaaa	taaagaattc	aagtatcgat	gtcta		2745

<210> 4980

<211> 1377

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (42)...(951)

<223> similar to gi3979818 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4980

ggaaagtaac	aggcaacgag	atgctggggc	tcgaggagg	ggaccttgaa	gacgacttcg	60
accctgcccc	gcacgaccag	ctcatgcaga	agtgttttgg	ggacgagtag	tacggggccg	120
tggaggaggga	gaagccacaa	tttgagggaag	aagaagggct	tgaagacgac	tggaaactggg	180
acacgtggga	cgggcctgag	caggaggag	actggagcca	gcaggagctg	cactgtgagg	240
accccaactt	caacatggac	gccgactacg	acccagcca	gccgaggaag	aaaaagcgcg	300
aggccccctt	gacgggcaag	aagaagcgca	agtcgccctt	cgccgcggcc	gtggggcagg	360
agaagcccgt	gttcgaaccc	ggggacaaga	cgttcgagga	gtacctggat	gagtattacc	420
ggctggacta	cgaggacatc	atcgacgacc	tgccctgtcg	cttcaagtac	cgcacagtgg	480
tgccctgtga	ctttggcctc	agcactgagg	agatcctcgc	tgctgacgat	aaggagctga	540
accggtggtg	ctccctaaag	aagacctgca	tgtacaggtc	agagcaggag	gagctgcggg	600
acaagcgggc	gtacagccag	aaggcccaga	actcatggaa	aaagcggcag	gtcttcaagt	660
cactctgccg	agaagaggca	gagacacctg	cggaagccac	aggggaagcca	cagagagatg	720

```

aagccggccc acagaggcag ctgccagccc ttgatggcag cttgatgggg ccggagagtc 780
ccccagcaca ggaagaggaa gccctgtat cccccacaa gaagccagcc cccagaagc 840
ggaggagggc caagaaggca cggctgctgg gcccactgt gatgcttggg ggatgagagt 900
tcagccgcca gagactgcag gcctttggcc tcaaccccaa acggctgcac ttccgccagc 960
tgggccggca gcgagggaaa caacaggggc ccaagaacag ctcttgagca ccaggggagca 1020
ggcagggggc tcaggctcct ctctcaaat caagccctgg acaggctctg caccacaag 1080
tactatctgc tgcagagatc ctctcatctg tggccaggca cgctgtaat cccagcactt 1140
tgggaggccg aggtgaaaag atcacttgag cccaggaatt ggagaccagc gtgggcaact 1200
tagcgagact ccatctctac aaaatgtggt gacacatgcc ttagtccca gctactcagg 1260
aggctgggga aggaagatca cttaaggcca tgagtttgag gctacagaga gctatgattg 1320
caccactgca ctccagcctg ggcaacaaag caagaccctg tctcttgaaa aaaaaaa 1377

```

```

<210> 4981
<211> 1175
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (171)...(377)
<223> similar to gi3876146 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 4981
cacctcagcc tcccaagggtg ctgggattac aggcgtgagc cactgcgccc ggcctatgag 60
tcagttttat atgtggtggc tctacaggag ggcccagccc cttagtgttg aggggaggac 120
accgaaagta agctgttcac tacttacttc tttaactttt acttgattta gttctgaaaa 180
ctcgaatcca aaccctcaag aaaggcctgg gcgaggacat gtacagtggg atcaccgact 240
gtgccaggaa actctggatt caggagggac catctgcctt catgaaaggc gctggctgcc 300
gggcactggt catagcacct ctctttggga ttgctcaagg ggtctatttt attgggattg 360
gagagcgcat cttaaagtgt ttgactaga cagagctgga ggtcaagtcc ctgcgcttgc 420
cgccctctct ctagtgttt cacttagcct agagggggca agggcagggtg gggccactct 480
ggcctgcctg gtcctctgcg ttgtagtgct acctcaatct cgggagaaac agccctatat 540
tctaacaagt tgagcacagc cttcttcccc ttctgtgcta cactcgtttt cctttgtggg 600
cacagctacc aggggctttt ggaagccctt aaccacctac ttttcaacaa aaatggtact 660
ttcgttgtat taattgcagg accttaacag gtagtcacaa tagaagggtt gtttctgtat 720
tttaacatth ctatttcaca gtcaaactcg gcattcttca gtcagcttga ggatttagca 780
ttgttaatct tggactccat aacttatgag tcctagcact gatthtgagg aaaaggagga 840
tcagaagttc aagggaccgt gaaagccctc agagtcagca cctagtttga gaccaagcac 900
cctttcgaat ccctggatgg ctgagggggc tgaggccggc tctgactggg cagctcagcc 960
cctccccag agcccagggt ctgacacacc cctccctgta accaaggaac actctgaaat 1020
aaaggtgaat ggctaaaatc tcatctgttc atcagtggtt acagcagata ggctgcagtg 1080
aatgctatca ccatctactt ttctacgtcc atttcaaaac caaacattaa aaagggcata 1140
gaagcagacc cccgtcactc ttcaaactga tactt 1175

```

<210> 4982

<211> 791
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(448)
 <223> similar to gi6015436 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4982
 ctggaaggac aatggagcac cagctgagaa gctcatcggt ggattcccta cctatggaca 60
 caacttcata ctgagcaacc cctccaacac tggaattggt gccccacact ctggtgctgg 120
 tctgctggg ccctatgcc aaggagtctgg gatctgggct tactacgaga tctgtacctt 180
 cctgaaaaat ggagccactc agggatggga tgccctcag gaagtgcctt atgcctatca 240
 gggcaatgtg tgggttggt atgacaacat caagagcttc gatattaagg ctcaatggct 300
 taagcacaac aaatttgag gcgccatggt ctgggccatt gatctggatg acttcaactg 360
 cactttctgc aaccagggca agtttccct aatctccacc ctgaagaagg ccctcggcct 420
 gcagagtgc agttgacggt ctccagctca gccattgag ccaataactg ctgctcccag 480
 tggcagcggg aacgggagcg ggagtagcag ctctggaggc agctcgggag gcagtggatt 540
 ctgtgctgtc agagccaacg gcctctaccc cgtggcaaata aacagaaatg ccttctggca 600
 ctgcgtgaat ggagtcacgt accagcagaa ctgccaggcc gggcttgtct tcgacaccag 660
 ctgtgattgc tgcaactggg cataaacctg acctggtcta tattccctag agttccagtc 720
 tcttttgctt aggcacatgtt gccctacct aaagtcctgc aataaaatca gcagtcaaac 780
 caaaaaaaaa a 791

<210> 4983
 <211> 739
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(337)
 <223> similar to gi310100 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4983
 agatagctcg ctgttggttt tgcttcagtc ctggtggaga ggacactgaa gagcagcagc 60
 cggggaagga gggaccagcg gtcatttatg acgagaagaa aggcaccgtc tacatctact 120
 cctacttcca cttcgtgttc ttccatagctt ccctgtatgt gatgatgacc gtcaccaact 180
 ggttcaacta cgaaagtgcc aacatcgaga gcttcttcag cgggagctgg tccatcttct 240
 gggcgaagat ggcctcctgc tggatatgag tgctgttgta cctgtgtacg ctggtcgtctc 300
 ccctctgctg cccaccccg gagttctctg tgtgatgata tcggcgggtcc cctgggcttt 360
 gtgggcctac agcctggaaa gtgccatctt ttgaacagtg tccccggggc agggactggc 420
 gccctgtgcc tgagtgggtc tgaaaaagct ttgagagaga aaaaaaaaaa tctcctgatt 480
 agctttttac ttttgaaatt caaaaagaaa ctaccagttt gtcccaaagg aattgaaatt 540

ttcaacaaaa	ctgatcatgg	ttgaaatata	ttaccacctag	gaactggata	ccagtttatgt	600
tgacttcctt	ctgcatgttt	ttgccaaaaac	agaatttggg	gcacagcatc	ttttcacagg	660
gataaaaaaa	tcttgtgggg	ccagtcattc	ttatcctcgg	aataaaaaaa	catcgccata	720
atthttgagtt	cccaacgcg					739

<210> 4984
 <211> 1212
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1213)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1152)...(465)
 <223> similar to gil438534 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4984						
tttttttttt	tttgaaaaag	agaaagtaaa	gatattccta	attcagagcc	aaaggtagac	60
agcagctgtt	ggcgggaggg	cacctagaga	tttatcaagg	acgcgccacc	ccaccaggag	120
cccctcttga	tcaccaagtg	ctttatcttc	caagtagtaa	gtcaatcaag	aggtttctaa	180
agataatcca	tttttgataa	attagaatgg	aaacagtgtc	tctataatat	acatacaaaa	240
gtgtcccagt	tttcaactgt	gagcaacaca	ggtgcacaga	ccagggtgtca	gcgcaggaac	300
ccgacggcag	gcatgctgat	gccccccatt	tcccgccact	cccagacagct	ccccgggcat	360
ggccccgatt	cccgccactc	ccgacagctc	cccgggcatg	gccccgattc	ccgccactcc	420
cgacagctcc	ccgggcatag	cccgtgattg	cctggcctca	gccctcggcc	ccctgcgtgg	480
gcggctcctc	cccggcctct	ggtttcttgt	gcctgcgcat	gtgcctgtac	ttgtccacgt	540
acgccttcac	cagggttgcc	accttcacgg	ggttgatctc	tccactcttg	ctgtggcaga	600
tcttctgcac	ggccttgccg	aggatgtcct	tgtactcctc	cttggtcacc	tccctcttct	660
ggtagaaggg	cttgatggcc	agcttcacct	cctccacagc	acgctcctgc	atgtgcagct	720
tcttcatgta	ctcctccttc	ttggttttct	ccgcagctag	cctggggggcc	gggggtcttct	780
cctccgagtt	gctggctgca	gtggcttgac	tggtctggctc	tgaggctggg	gtcagggcag	840
cgggcactgg	ggccagggtc	tgtgctgccc	cacagcccac	tagcggcagg	ctccccctgaa	900
ggatgaactg	gaccgtgggc	tggttgacca	gtgcgcaggg	tgggatgctt	gagggtctggg	960
ccggggcagg	cggcaggccg	gggctgtaaa	cctgagaggg	gtctgtgtct	gggaacccgg	1020
gttccggaag	cacgtgactg	ggaaagggca	gctcggagaa	cgctgcctg	acccctgtgg	1080
ggggcacatc	ctccatgtcc	caggctcctt	ctcggggcct	ctgtggcctg	tgaagtgggtg	1140
cccctggggg	cccagacagac	agggaggtgg	gaatacggcc	actcgagacg	gtgatcgagg	1200
cnnnnagctc	cc					1212

<210> 4985
 <211> 2299

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (4)...(1871)
 <223> similar to gi5430747 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4985

gggtttcaga	aagtgccttc	tctctgtgga	catgaggatt	ggattagagg	agtggaatgg	60
gcagcctttg	gtagagatct	tttgctagca	agctgttcac	aagattgcct	gataagaata	120
tggaagctgt	atataaagtc	aacatcttta	gaaactcagg	atgacgataa	cataagactg	180
aaagaaaata	cttttaccat	agaaaatgaa	agtgttaaaa	tagcatttgc	tgttactctg	240
gagacagtgc	tagccggtca	tgaaaactgg	gtaaatgcag	ttcactggca	acctgtgttt	300
tacaaagatg	gtgtcctaca	gcagccagtg	agattattat	ctgcttccat	ggataaaacc	360
atgattctct	gggctccaga	tgaagagtca	ggagtgttgg	tagaacaggt	tcgagtaggt	420
gaagtaggtg	ggaatacttt	gggattttat	gattgccagt	tcaatgaaga	tggtctccatg	480
atcattgctc	atgctttcca	cggagcgttg	cacctttgga	aacagaatac	agttaaccca	540
agagagtgga	ctccagagat	tgtcatttca	ggacactttg	atggtgtcca	agacctagtc	600
tgggatccag	aaggagaatt	tattatcact	gttggtactg	atcagacaac	tagacttttt	660
gctccatgga	agagaaaaga	ccaatcacag	gtgacttggc	atgaaattgc	aaggcctcag	720
atacatgggt	atgacctgaa	atgtttggca	atgattaatc	ggtttcagtt	tgtatctgga	780
gcagatgaaa	aagttcttcg	ggttttttct	gcacctcgga	attttgtgga	aaatttttgt	840
gccattacag	gacaatcact	gaatcatgtg	ctctgtaatc	aagatagtga	tcttccagaa	900
ggagccactg	tccctgcatt	gggattatca	aataaagctg	tctttcaggg	agatatagct	960
tctcagcctt	ctgtagaaga	ggagctgtta	actagtactg	gttttgagta	tcagcaggtg	1020
gcctttcagc	cctccatact	tactgagcct	cccactgagg	atcatcttct	gcagaatact	1080
ttgtggcctg	aagttcaaaa	actatatggg	cacggttatg	aaatattttg	tgttacttgt	1140
aacagttcaa	agactctgct	tgccctcagct	tgtaaggcag	ctaagaaaga	gcatgcagct	1200
atcattcttt	ggaacactac	atcttgga	caggtgcaga	atntagtttt	ccacagtttg	1260
acagtcacgc	agatggcctt	ctcaccta	gagaagttct	tactagctgt	ttccagagat	1320
cgaacctggt	cattgtggaa	aaagcaggat	acaatctcac	ctgagttcga	gccagttttt	1380
agtctttttg	ccttcaccaa	caaaattact	tctgtgcaca	gtagaattat	ttggtcttgt	1440
gattggagtc	ctgacagcaa	gtatttcttc	actgggagtc	gagacaaaaa	ggtggttgtc	1500
tggggtgagt	gogactccac	tgatgactgt	attgagcaca	acattggccc	ctgctcctca	1560
gtcctggacg	tgggtggggc	tgtgacagct	gtcagcgtct	gccagtgct	ccaccttct	1620
caacgatacg	tggttgca	aggattggag	tgtggaaaga	tttgcttata	tacctgaaa	1680
aagactgatc	aagttccaga	aataaatgac	tggaccact	gtgtagaaac	aagtcaaagc	1740
caaagtcata	cactggctat	cagaaaatta	tgctggaaga	attgcagtgg	aaaaactgaa	1800
cagaaggaag	cagaaggtgc	tgagtgggta	cactttgcaa	gctgtggtga	agatcacact	1860
gtgaagatac	acagagtcaa	taaatgtgca	ctgtaatgga	cttaataact	acatgcttgc	1920
agtcactggt	atcttaaaat	attatcatgt	aaacaggtca	tctttacctt	cataactgaa	1980
ttgagtttct	gggttttttt	ttttttggaa	agggagtgtt	gttttgccac	accctcccc	2040
tcccagggtta	aagcaatttt	tttttttcac	cctcctgaga	agcgggaact	aaaggccccc	2100
cccctgccc	gggttaatttt	gggtttttta	gaaaaaacgg	ggtttcaccg	tgggcccggg	2160
gggttttaaaa	ctcctcgtct	aagggaatcg	gttggcctcg	ccctcccaa	gggcgggaat	2220
aacgggcggg	acccctgcc	cccacctga	gttctttttt	ttaagcccaa	agcgagagcc	2280
cttatttcag	ggctaaacg					2299

<210> 4986
 <211> 1094
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (969)...(718)
 <223> similar to gi9451 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4986
 gaaaaccgga ggagcaattg gggatccagg tgtcagaggt aggggaacca ggggcaagct 60
 ggggctgagc tggaggtggg gatgagagca ggtgtgggga cagcaatacc cccttggggg 120
 tcacctctct gcttcccccc tccccagget tcagttcctt ccccttgacc ctgactcctt 180
 gaacgtcact gaaaacggca gctattgcaa ggagtggggg ccgcgggcag ccgctcttca 240
 gctcgcggcc caggggagtg gcgaggggcg ccccaacccc ctgcccgcct ctccgcacaa 300
 tacttgaaca ttcactctgt ctgaagtgtt acttgaaccg ggggaatctc ggacctgggg 360
 gagccggggg gtgagggggac tggaccagct tggactgaga cctgagaccg ggccggtggg 420
 cgcccatttg ggactgcgcc acccccaggc ttgttcttgt tttactgtat tgagcggcgg 480
 caccgcgcgg acccgcattha tggctggggg cgccagccca agaatgggga ccatgggact 540
 cctccagcct ggctcttccc actctttcat cgtcatggaa acttgtatcc catttgccca 600
 gggaactgcc actcctgggt gccatggaaa tagcagccaa cggacacctc ccgatgccag 660
 tgctaaggct ggaaatggcc ccctcttagt tgccatggga acctagtaac agactctgct 720
 ggccctcctt ccctgcccc tctcgagcg cggggtgggg cttcggggacc ccgggggatga 780
 gccgggccag gtcccgcgcc tccgcgcagg cctccggggg ggccgggggt taccatgtag 840
 gggaggggag atctatccac atacctcagg taacagggag gtgcgcgggt ggggggaggg 900
 ctgggcggac caaaggccgg aggggtgggg cctggggata gcgagaggct tgagaatggg 960
 gccgcttggg ggaggggaaga ggcagcccgg cgaggggcaa gcgggggacc cagccgggct 1020
 gggcccctgg gcccggggtc tgtacaatac gggttgctat aaaactcaaa atcttccagc 1080
 cgggaaaaaa aaaa 1094

<210> 4987
 <211> 2632
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2309)...(1375)
 <223> similar to gi2062609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4987
 tttttttttt ttaggtgtaa aaatacagct tttattctga gacattgacc ttactagag 60
 tgggacctgt ggccccagcc tggctggaga agcagtccca gggcctgagt gacaccattt 120
 ccctttcctg aaataggaac aagttattcc aaaggagaaa ggagagccca gagagatctg 180

tacaggacct	ctcttgacaca	tggtgactgg	aggcagaggg	tggggagctg	gagaggagtc	240
cagtcctcc	aacaaatatt	gagggcttca	aagagctctt	cctggacgtt	tctcttaatc	300
tggatttaaa	agggacagga	ggtatcttag	ggtccaagaa	cataacagga	atgggcaact	360
ctagaagtgt	ttgtgtgtgg	aaggccctaa	cctggccctg	tcctccctgt	ctctaccttt	420
ggctttcatg	aagagagatt	cacagctcag	aggaaggagg	gaatttctcc	agtcttcact	480
ttaacaaact	cttttaagtt	ttctgcctac	cttatgttcc	ctttggccaa	tgacccactc	540
cctgggaaca	agatcttggt	gactttcttg	ggaatctcct	aagagataag	tgctttgtgt	600
cggagacaag	ttcaggtaaa	ccaaccaagg	cagtgcctcc	cacagtcaaa	gagagaagct	660
ggagggccaa	agcctataga	gttgggcact	acagctgctc	atgctgcaga	ggagacagct	720
agtcaggaac	cctggagatt	caagacaact	tgctggtccc	ctttgcccag	ggctgtggtc	780
ctaatacag	tccttcacct	ttcccagggt	tagcctgtgt	ttcaaagtca	tatgatctgc	840
gctgagagga	caacaggggg	tcaggaacct	gggttctct	ggggggcaga	ctaagacgac	900
tccgggatcc	agacccttct	gcaccttcag	atgggagctc	caggcagcta	agggggccgag	960
gagaatgggg	agagatcatg	ctacaagggg	aggttctggg	gatgaggcag	taatccccac	1020
cctcagtaca	ggtctggggt	cgccgaactc	cttgagcctc	agtccttttg	cgggtcccggg	1080
ctagggccac	agcagcatca	aaggaaagac	tacccccatt	cctccaagag	gatcgagaag	1140
ctcgggaccc	ccaagccctt	tctccaggag	tcccatcaag	ccggccaggc	ctcgggcatg	1200
gatttgcagg	tgccacatga	atcttgctac	acattgcaact	gggcatcttg	gcaaactgtg	1260
gcttgggggg	caccacaggc	acagagcgga	cctgttggac	ctgaaccaga	gtggaagcta	1320
gacgcatgcc	cacgccaccc	aggccaagag	aacaggggca	tagacagccg	tctggactgg	1380
gctgcccctc	aggctccatc	tcctctggct	gaggtggctg	tggggctacc	tcttccatct	1440
cagaagagtg	aggattgccc	tctttggcac	agtcaacctc	cagggacgct	acacctgaac	1500
cttcagagag	ggtgtcctct	tctaaatagt	accctccagc	cctctggtct	ccctcagcct	1560
ctccatcccc	actctcccgt	tccttgctga	cctcccctgc	tcctccttca	gttgctgctt	1620
ctgggcttct	gctgtcttca	ccatctcctt	ggtcttttct	tgcttcatgg	tacccttctt	1680
ccctctgtcc	tttgtcctca	tcctctctga	ctccctcagc	ctcttggttc	tgtacaactt	1740
cccatttctc	ctcagcaact	tgatcttctt	gggccccttg	ctctaggctc	cttccagctt	1800
ctacctgggc	ttcctctctt	tgttcatcct	cttctctctc	aatttctttt	tccttctcat	1860
ctgtatactc	atctcctcct	ggttcctcca	cacctttagc	ctccatactg	tcagccttct	1920
tctgaccttt	ggacttctct	tccttggcct	ctgtctcttc	cctactccct	tctctcaatc	1980
tgacttttgt	ctcttggctt	ccccagcct	ccctctatc	ctcactggcc	tttccagcct	2040
ccaccttggt	ctctggactt	ccctctgcct	cttccctgat	gtctagcctg	cctccaggct	2100
cagcatgctt	gtcctcccca	acttcccagc	atgcctgctc	ttccccaccc	tgtcccagag	2160
cctgccttcc	acatcctgct	gcctcgccct	ccagactccc	tgaaccttcc	cagattgggg	2220
gttttaggtcc	cagaagggga	cttaggtcat	cataggcact	caggaaaact	tcctccccat	2280
tttctcctc	aacttcaggc	ctggggccag	cggagtccag	ggaacagcag	ctgggggcca	2340
agacaaactg	tgctcatccc	agagacaggt	catccagggg	tggctccaca	gagaactcct	2400
ccacctgagg	cccaactccc	aggagctcct	ccaggtagcc	catcccaggg	tcgtcctccc	2460
caggggagaa	ggctgctcct	gctgcttctg	cctgggccac	ctccccatcc	tctgccccca	2520
cccactcagg	ttctgagctg	cttgagtctt	ctaggaagga	gaaggagtcc	tgcacctcct	2580
gggacagcga	gtcctccagg	gcaggagcca	agtcgtctgg	gcctgagtct	gc	2632

<210> 4988

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (837)...(122)

<223> similar to gi4176443 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 4988
gcgccggggc tgaaggcctg gtctctgtct aggtccatat gggttccagt tctggctttt 60
gttccgagac acccctccgc acatttgaaa tcaaaggggc agcaggaaaa gatctgaaat 120
gtgcagagac ttttgtgcct tcaactacct ttcttttgaa ctgtagcgga ccagagcatt 180
tccgtgaggg aggttcaggt ggaatgtgat cagcggggccg tgctgcatgc acagagtgcg 240
cagagttgag ccatcgatct gaggtgtaag gttttttaga acaagccaat ttgttattct 300
ccctgagctg ctctcaccct agctggaacc tggggatat ctggcgtcag aatttcccca 360
tcctccacct atacgaaggg gagaattatc ccacgtagac aagggtggct tctgaccagt 420
cagtcccga ggtgggcggg acggagcagt gatgtttta ggtggcaaag ggaccttcca 480
cagctcatga gccagagagg tgtttgtaac tgaaccagga gaccatgtca atttgaatc 540
actatttctg gctgaagtgc tttgtgctgt actgctgagg ggaacgttgt agttggaggc 600
acgaatggat gaccaggcac tagttgaagg cagcgtggtg ttcaaggatg aggatgacct 660
actgttcctg tccctgaggt ggtcaacttc ccgcacagta ttaattgaaa gattgtttat 720
gacactgcca ggagtgcagt aagggtcagt ttcagggtca atgtttggat aacctttcca 780
tggtcacca ggacgaaatt ttgcccaaga cttcatgctt aacttttcct caatcacttc 840
tgcattcctt ctcatccgca cacgtcagtc taagcacgcc gatctgggct acatcagtag 900
taagtccaga tgtaacaaaa ccatgtttgc tggagttttg atccaaagat gtgttcacag 960
aatgctgtc cactgtcgtc cacttcctta gtcttga 997

```

```

<210> 4989
<211> 2249
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2250)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1833)...(1669)
<223> similar to gi4056411 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 4989
gtagaggtgg ccccttctgt ccacacgcca tgaggtcggt ccactctcc agcaacttga 60
ccggtttagt aaaaaacgat gagctgaaaa accacatgca ataaacaaga aggagcagcc 120
aacaaaatct cttaaaatct cagaaatggt caataaacat ttgcagagcg agaaaataaa 180
taacatcgca aaggagccag tggctcctct tttccccgca tgttccttgg gtcaggggtg 240
catgtgtctc actagaagtc acatgtatta aaagcaggtg agttccagct ctctctacaa 300
ccccactggc cccaccccaa atgtcccaa cgggtccctg acaccctcgc tggtagctcc 360
tgcttttgat aagctcctct agcctcaact gcttcttgat cctggctccc ttccagaca 420
ggctgcccag aacctggtt catctgctca ctggagccgc ttgcccagcc agccagagac 480
cccctcccag ccatggccta aagagccaac agctgggaac ttgggctcat cccagctgc 540
gtctgggtcg cttggcgcc aactgaaaaa cccaggcct ccatggcgct ctggacagag 600
gaggccccga tcccagcccc ggctgccagc caatgccagc ctgtccactt gacagaaaaa 660

```

cacacgctgg	ccgcctgccc	caggggtgttt	ccagaagaga	aatttaatct	aatttacata	720
cttctaggta	catcgataac	caaaatgtgg	ccactgaaaa	aagttaaaaag	gtcaatcagc	780
tcctggcttc	tagctggccc	aggattgcaa	aataaaaaaga	tccacgttcc	ttatttctcta	840
cacaaaaacgc	gttttttaaaa	aagtgaagg	tctagggagc	tatacataga	aagcaacagt	900
gaaaagggag	agggagcagg	agtgggggag	gagagtccca	cccccaacc	ccaccctcca	960
gggccccaga	gcccctgagg	ctctttgggg	ggccttgaca	tggcaggagg	cagctgtcag	1020
ctctgagctc	ttcccagctg	ggaaggcccc	tctcgggggc	agccaacaag	gatttccgtg	1080
gcattgtggg	ctcagtgggg	ggctcccagg	ccccagcagg	ccccacagag	ggagcgtggc	1140
ttcccctgag	caagcaccgt	ggcatgatgt	ggtcgttcaa	cccaggaact	gggggtccgg	1200
ggcaggtccc	gggtctcacg	aggtgcgtgt	tgtgtgtgtt	cgcatgtaca	tgtgtgtgag	1260
aggatattca	tgggggagag	agggaaaccag	aacaggggtc	tttggggctc	ttgcaaattg	1320
ccacggatgg	cagacatcgc	cctgcctggc	tgctagacgg	gggagtgtct	tcctcccctg	1380
tgaccagacc	ggctgccatc	agagacctgg	ctgtgcctcc	tgctggacca	ggtgggcatg	1440
ggctgaagga	agacaccctg	tggccccaga	gtcctcgggc	tgggggaagg	gcagctagct	1500
ggctcccggc	gccctggctg	tagtgtgtcc	ggcccccaag	gggcgccgtt	ttgaggtttt	1560
ggcttgtctc	tttggaacg	gaaagaaaga	ggaagaggga	cgaggacaca	gaggaggaag	1620
aagaggagac	agaggtggca	cgagagggga	tctggaatgc	tttgtgttta	gggagcctct	1680
gccgccgctg	tctgtgcctg	cggggcctgg	gactcctcag	gtgggggggtc	cgctttggag	1740
aagttcatct	ccaggatgtg	ccgctgtaag	tgccgcaccc	actcttcctg	gatggagagg	1800
gggccctgga	attccacctc	acagaacctg	catgggggaa	cagagagagg	gagtggccag	1860
tgctgtgagg	agaggcgga	gcatagcctt	gccagcatcc	ctgggcacac	ctgtgtctac	1920
tcagtgtgga	cagagccagc	ccaggaggcg	ggggaagagg	gaccagaag	tcaggcggtt	1980
cccatggaca	gccacctcca	ctcaccatgg	ggcatgga	gggtctcaca	gagaccctg	2040
cctctgtgct	cagaagtcac	tggtgccagg	taagggctac	tggcttcag	gtaccctgc	2100
catctggcag	atacatagaa	tctgagacag	tagagggcac	agagaagcaa	atcctaccaa	2160
acgcaccaag	ccccgctct	cctgcctccc	gtcgaccgg	caattccggn	ccggtggggc	2220
nggcggagac	taatcaatgg	gttttcaat				2249

<210> 4990

<211> 933

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(678)

<223> similar to gi2618752 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 4990

gcggccgcgg	cttcgcctac	cccagcgagc	tcaaggccca	cgaagtgaag	catgagagtg	60
gccgctgccca	tgtctgcgtc	gagtgcggcc	tggacttctc	cacctgacc	cagctcaagc	120
gccacctggc	ctcccaccag	ggccccaccc	tctaccagtg	cctcgagtgt	gacaagtcc	180
tccactaccg	cagccagttg	cagaaccaca	tgtcaagca	ccagaacgtg	cgacccttcg	240
tgtgcactga	atgcggcatg	gagttcagcc	agattcacca	cctcaagcag	cactccctca	300
cccacaaggg	cgtgaaggag	ttcaagtgcg	aggtgtgtgg	ccgggagttc	accctacagg	360
cgaacatgaa	gcggcacatg	ctgatccaca	ccagcgccg	gccctaccag	tgccacatct	420
gcttcaagac	ctttgtacag	aagcagactc	tcaagaccca	catgattgta	cactcgcccg	480
tgaagccatt	caaatgcaag	gtgtgcggga	agtccttcaa	ccgcatgtac	aacctgctgg	540
gccacatgca	cctgcacgcc	ggcagcaagc	ccttcaagtg	cccctactgc	tccagcaagt	600

ttaatctcaa	gggcaacctg	agccggcaca	tgaagggtcaa	gcatggcgtc	atggacatcg	660
gcctggacag	ccaaggtggg	tgggccaagc	gcaatggaca	gagcaggaat	gataccaaca	720
tgacgcactc	aggagcctcc	tgcccagtta	gaggagtggg	gaggctggcc	aaggctgaga	780
cttcgttggg	gtgggctcag	gtctggaagg	gggtaccct	ggaaggccat	gatgacaata	840
acgatgggat	atztatgtct	tcttcaaagg	acttaaata	gatcacgtaa	acaatataat	900
aaaaatcata	actaacat	attgagtgct	aaa			933

<210> 4991
 <211> 1935
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1198)
 <223> similar to gi726403 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4991						
gaggagatca	tcgccctctt	catttccatc	acgtttgtgc	tggatgccgt	caaaggcacg	60
gttaaaatct	tctggaagta	ctactatggg	cattacttgg	acgactatca	cacaaaaagg	120
acttcatccc	ttgtcagcct	gtcaggcctc	ggcgccagcc	tcaacgccag	cctccacact	180
gccctcaatg	ccagcttctc	cgccagcccc	acggagctgc	cctcggccac	acactcaggc	240
caggcgaccg	ccgtgctcag	cctcctcatc	atgctgggca	cgctctggct	gggctacacc	300
ctctaccaat	tcaagaagag	ccccctacctg	cacctctgcg	tgcgagagat	cctgtccgac	360
tgcgccctgc	ccatcgcggt	gctcgccctc	tccctcatca	gctcccatgg	cttcgggaa	420
atcgagatga	gcaagttccg	ctacaacccc	agcgagagcc	cctttgcatg	ggcgagatc	480
cagtcgctgt	ccctgagggc	cgtcagcggt	gccatgggcc	tcggcttctc	gctgtccatg	540
ctcttcttca	tcgagcagaa	cttgggtggc	gccttgggtga	atgcaccgga	gaacaggctg	600
gtgaagggca	ctgcctacca	ctgggacctc	ctgctcctcg	ccatcatcaa	cacagggtcg	660
tctctgtttg	ggctgccttg	gatccatgcc	gcctaccccc	actccccgct	gcacgtgcga	720
gccctggcct	tagtggagga	gcgtgtggag	aacggacaca	tctatgacac	gattgtgaac	780
gtgaaggaga	cgcggctgac	ctcgctgggc	gccagcgctc	tgggtggccct	gtccctgttg	840
ctgctgccgg	tcccgccttca	gtggatcccc	aagcccgtgc	tctatggcct	cttcctctac	900
atcgcgctca	cctccctcga	tggcaaccag	ctcgccagc	gcgtggccct	gctgctcaag	960
gagcagactg	cgtaccccc	gacacactac	atccggaggg	tgccccagag	gaagatccac	1020
tacttcacgg	gcctgcagg	gcttcagctg	ctgctgctgt	gtgccttcgg	catgagctcc	1080
ctgccctaca	tgaagatgat	ctttcccctc	atcatgatcg	ccatgatccc	catccgctat	1140
atcctgctgc	cccgaatcat	tgaagccaag	tacttggatg	tcatggacgc	tgagcacagg	1200
ccttgactgg	cagaccctgc	ccacgcccc	ttcgccagcc	ctccacgtcc	tcccaggctg	1260
gctctggagc	tgtgagggga	ggtgtaggtg	tgtgggtgac	tgtctgtgac	tgcgccttct	1320
catggctgac	tcaggcctgg	ggcatctggg	cattgtaggg	gtgcagtggg	atgtgcccac	1380
ccctctccca	ttatccttta	gctttaggcc	aagagcgctg	ctcagggcag	cttctgccc	1440
gggtgggtgg	gactgagcag	gatggatttt	cttttgataa	aagagtcgat	gcctgaaaga	1500
gaaaccattt	ccttgattgt	gtaagggaact	tgtgtgacgc	acattagaga	ataaagctcc	1560
tgtttctagg	ctcctatgtg	ccacctgtgt	ccctgctaact	gccactccac	ccccactctg	1620
gggaggggaa	gccctccctg	gggaagtggg	atgcaaggga	cagagtttgt	ggagtggcac	1680
ctgtggctctg	tcacctccaa	cgtcgcacag	tgggtgctgg	cccaacagtg	aaacatggaa	1740
gatccaggag	gccttcgcat	ggccatttct	ccagggaact	gcagggaag	cgttctggga	1800
acagcatgtg	caagggtccg	gaggagcgag	ggcttggggc	cactgaggcg	ctgtggcttg	1860

tgaagagcag tggggcgga gggaccatcc gggtagacagc aaagggccct gtgccggacg 1920
cgtgggtcga cacgg 1935

<210> 4992
<211> 928
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (684)...(563)
<223> similar to gi3687497 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4992
taaaaagtcag aactcattta aagaacttta agggatcctt tagaaacatt tttactttaat 60
ttcaaatgag tgggctgagc atgtagacta gcagcttttt atcaaacctg gcattgtcag 120
gttgaactta taaatacgaa taattactac tctgacttgt aaatgtagct gctaaagtat 180
gaggatatatt taagaagaat agattagttt cattatacct ataagaacaa gaattcaaaa 240
gtgaggtagt catccagggt cccctccca caatatTTTT gtatcataaa atttagatga 300
cttttttggg ttacattttt atccatatat tttgaactaa cagaacttgg cagaatgtgt 360
gttgaatatt ctttacattt aacaattaaa aacaactaaa actgaatagc aaatagttta 420
ttggtaagta cacggtttca acgggagtaa taaattcaca tgaaaaggag acaataatca 480
agtcaaaaaga ataaatgctt actaatcatc agaaaatctg tggccattag ggctggcacg 540
taaaaaatcca aaatcactca gagggcaaat cttaaagaag attcgtcctc ttattagtcc 600
atatggaata ggtccatagc acctggaatc tgtagaattc tgtagattgt caccttctaa 660
ccaaacatga cccattggca cctagaatta gagaagaaat gcagcctctt aaagataaaa 720
cctaatttgg gtactataat taaaaagcat gtcattcaga ggtagggaga aatgtcctaa 780
ggctctcttt tatagaatag atacaaatcc taatattgca tttttgcttt tatttcttgc 840
acaataactt ttactaaata tcaaaggttt caactttttt aaaaacctat catctttttt 900
tgtccgaacg cgtgggcgga cgcgtggg 928

<210> 4993
<211> 3675
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3676)...(1630)
<223> similar to gi2072501 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	4993					
tttctctgcc	tttctatctt	ctttactatg	aattctgaat	aaaatggaga	acacactctc	60
aatatgtaga	aaaataaaat	tttggcaaaa	caataattac	tgtttttctg	tatgtactta	120
gcagtgaat	atttataggc	aacagatttt	aagaagtcag	ttccatggct	attaaaaaat	180
gtttaagtta	atgaaattta	cagtgcata	taaaagcatg	atacaaatgg	aaatttaaaa	240
ttttgtatta	ggaagcccag	cttgctaaaa	gtagcattaa	tatcattcac	atcagatttt	300
aatttggtac	acatttttgt	agttcagcaa	aggcccctat	gatgaaaaac	aattaaaaag	360
tgttatgaca	aaaataatta	tctcgtgtaa	aaagggggag	acccaaaaga	tttttcatat	420
ggttatttaa	ttcagttaaa	tagaactggt	atgaatttga	gaggaatgaa	gatattcaaa	480
cactaacaga	aaatcattag	ccttatatta	gagcattcaa	atgcttatgt	aactcttcaa	540
tccatccggg	cttccataaa	aaccaaaatt	ttgaacacaa	aaaagtggca	gagtttacat	600
taccttttgt	atgttcctaa	gtatgaaatt	gcatacaatt	attatgaatt	aaatttgaaa	660
agcatcacag	atttataaac	aaagtacaaa	agaagcttga	ttctttttta	ttccacaaat	720
acctagcatc	tcaaagtaac	atgtaaacaa	acttctatgc	tgctcaatga	atccttccaa	780
tttcgataat	aaactaaata	gtattggatt	tagtatatga	ctttcatggg	taagtattgg	840
ttctatccat	tactttaaca	atattactga	tgtaacagag	aaaaattttc	cactattgta	900
tttatttaaa	acaaactgac	aagttcaagc	acctgttttc	agaaaagccc	agcagcattt	960
tttttttttt	aacatactca	aagtaagatt	tggcctaagc	ccttaatacc	tttctgaaca	1020
gccatgcaac	taaacaccct	caggagatgt	tacataaggg	agagaagaac	atggagcaat	1080
ttgcactttt	tcccctagat	aatattaaca	aggtaaagca	aatccagatc	tttatgaatg	1140
aatggctgtc	atgtttaata	cacttgagac	tctataaaa	tagagccact	atcatatatg	1200
tttatataga	tatatatgta	tttttaataa	agtctctcac	ttgcttcaaa	atttaaggat	1260
gatctttttc	ctggtcagtc	atttcaaggg	aacaataaat	aaagtagaaa	aggatgaact	1320
gttttgcata	tttctgtgga	agaacggaaa	acatactttg	agaggttcgg	aaaattcact	1380
gtacagaatg	aacagcttat	atacactatc	tgtgcaattt	ttcttggtcg	gggtatttaa	1440
atgcaagagc	tcctccaaaa	taagaagcca	cattcattct	tgtccaaatc	cctctgtctc	1500
ttctattgca	aaaagaagtt	tttccttttag	ttgttcataa	ctcttatatg	gtggtagatc	1560
caagcgatta	aaacatgtat	ggcttctttg	taaccaagtg	tctttgccaa	ctttttcaat	1620
gcaaaacttt	tgaggcccat	tacttcccat	gagctcagca	aatcctccta	gaggtaaacy	1680
gcaggttcca	gtgacgaact	gcaatagtcg	cattcttact	tcattgtctg	tctctttcac	1740
aaactgccaa	aaccaaatga	tttgcttgct	gtttcttgta	taatgtcgat	aaacagtatt	1800
tctctgccaa	tctgccaaagt	caacctcctg	catgccacac	aacataacct	ctaattcctt	1860
ttcatcgaag	tactgtagcc	actgaagagg	aacaacttca	ttaaaacct	caaggaaagc	1920
tttggctgtg	tcttgtagtc	ctcgagaaaa	acgccattct	gtcattaaac	caatatattc	1980
atctttgttc	tcctcagtc	ccagaatatt	ggaacctccc	aacttcaggt	catgtgaagt	2040
aacttttccc	aaaatctcca	tgtcaacaga	aaagtacatt	tctaagccac	attcttcaat	2100
gttggttatct	cttatccaga	taaggagatt	ataaaattca	gtatcaatag	attccaaatc	2160
cttaatatga	agttttttac	ttaacatacg	cttgtagaat	ggtaaagaga	aaccagtatc	2220
gataaacttt	ccatgaaata	gtgccatggc	aataaaaacg	ccaatgaaac	agaagtatga	2280
aagatggctc	ggattaatgg	ttgatgctgg	atttatctgc	agacaatagt	tggtcttgcc	2340
cgcatactca	aataagcaat	acattgggtt	caaaacttca	tgtgaaagca	agaaaaacca	2400
ttctctcgct	aggccaccat	aatcaagtc	ttcttctcct	ctaaatatta	catataagcg	2460
cctcctcaag	tcatagggtt	ttaatgccat	aatctgttgg	aaggaatctt	caaacaatgt	2520
ctgccgggac	acattgatct	ttacatgact	aggtagtgca	ttagactggc	acaaataacy	2580
gaagtgaaga	agcttccacc	taaagccgag	ttcataagca	atttgtggac	cacctttagt	2640
tacagatgac	ttcccattgc	gaggatcttt	gaatgttgtt	gttcttgtgt	tatgatcaac	2700
aaagtacctt	acacattcac	gagtatatct	aatttcccag	ccttctggca	ggggttcttc	2760
attctgtaag	ccttgagttc	ttggatcttc	ccactgggtt	gtttttgtgt	tatgattcac	2820
aaagtaaacc	ctgtctgttg	aatccactct	tttttccag	cctgggtggc	aagggtccata	2880
agggtcattt	tctgcagcta	acattgaagc	cgaatagagg	tatcggttgg	taaactgttg	2940
catagctccc	tgcaattggg	tccgctgaga	ttgccactgt	tcaaaatttc	ggacagattc	3000
catggtaggc	cgtctgccag	ttgttggtct	ggtgttatga	tccacataat	aaactcttct	3060
acgatcatca	actcttcttt	cccaacctgg	aggtaaagg	tgtggtctct	cccatgtggg	3120
agttcgagta	ttatgatcca	cataatagg	tctaccatga	ggatcttttc	tttgttccca	3180
ccctgatggc	aagggtttctg	tggtggcatt	cccagactgc	tgccgtacag	gatccataca	3240
cccactctgg	tgtcttgatt	tggtctgttc	aaaagcagaa	ctacttctag	aattagaggt	3300
gtcaggctct	aatatacttc	tagcttcaga	ttccaattct	gcactggtag	aaggaataca	3360

ttcattgttt	tctgaggaag	tcagtatttc	ttgaactgga	ggatcttcaa	cagtagtact	3420
agtgcaattt	ggagacaagg	cattttcttc	agacactact	ggagtacccg	tgacagacgc	3480
attatcagtt	ggtgcaaatg	aggatgattc	tccattaaca	gtgtcatcgg	caggctcaga	3540
tgcgagtgg	tttggagctg	gtgtattttt	gggtctggca	gcaacctgag	acggagatga	3600
agggtgtgtg	tctccattaa	ctacatacga	gcagcatgag	ttttggacta	gagtgcctgt	3660
aggtacatga	ttagt					3675

<210> 4994
 <211> 2633
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2634)...(325)
 <223> similar to gi55819 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4994						
tttttttttt	ttaaaattat	gtaatcattt	at ttataaaa	taacaaaaat	ttatgaatag	60
atctgtttat	tgtactgtga	aaagggctct	ggtacatgaa	acattatata	ctttgaggac	120
agcattcaga	actgttaaga	caaaagacaa	actataattt	taaactcaat	cttgatttaa	180
gggaaaggct	ataaattatt	ggctgaaaag	tattcagcat	gaactcagat	tctatataag	240
catgaaagag	tacaaaagat	gttgaggtcc	agtaagccca	tacctaaatt	aactgtaaag	300
cttcaaggac	tttttgttta	tttttatata	ctagttttct	tctgtgacaa	gttgatttta	360
tctccaagac	ttaaggccat	tccctggctc	tttgacgaa	ttcttatatg	gccggtaaca	420
gcagcatctg	gtccctgggtg	aattggcttc	tcaatgctga	catttgcaag	tgcatcttca	480
ccaaatatgg	aacgagcata	aagggttggt	gccataaagc	cacagtaacc	agaaagggcc	540
ttttctggag	tcaggcattt	catattgggt	gactttaata	tgtgctgtaa	gtagtcat	600
aatcaacca	tgttggtgtt	aactgtcact	ttgttttccc	attcaaattc	ggcccatc	660
tgacggaatt	ctgcatcagt	gcaagttgca	ggctggatat	agtcacatgat	gtcgatgtga	720
atatcactga	gaaccacaca	at ttctgtca	cttgctgtctc	cagagacatc	ataaactata	780
ttaccaaaaa	ttattccatt	ttctgttgat	gctactttga	cgttagcttt	aatatttgcg	840
aagtcacatg	gagcaagagt	caaaggagac	ggcttttcca	caagtttcag	atcccctagt	900
gtagctagtt	ctaattgtgca	attctgcaaa	gtatcactgg	tttggttcac	aacaagtaca	960
tccaggacaa	tatcatattg	gttgacatga	acgtaagctt	ctgcatatac	aggatctgag	1020
aaacctgtca	attgggtgac	cttggttaagt	ttagatgcta	ggggatctgc	tgccctcttc	1080
ctctgtgtgt	taccatttgc	tgccagtaaa	ctcagctgaa	actgatcttc	cttgagttc	1140
atttcattct	tagcagttag	ttgcatgaag	gaaatggggt	catcaggctg	tactgtcaca	1200
ttcctctttt	cagattcttt	cttttgggat	aatttctctt	cttctagttt	agcagataac	1260
atgtgagaaa	gggactgtct	gcattcctta	ttgaaaatgt	cattcattaa	aggtgaacat	1320
tcagacaaga	ccttgaggca	cagggaaatt	cgatccacat	catcatcagt	aattggcttc	1380
ttaggaagag	aggattttcc	caaatgcagg	atagtagcca	tgagcaacat	agcctcagca	1440
acaaaagaat	tttgcttttt	cttctcctga	accaaagcta	catagcgcaa	tgcaatcttg	1500
gtcagagttg	tggcaaggga	ggcagcaaca	aagaaatctc	catccagaag	gaatcctctc	1560
aaggagggtc	tgtcttcttc	tttcttggtg	ggcttagaac	tgctaagggc	actctgagtt	1620
gcataggtac	ccatttcagt	aaccaatttc	tgaactggcc	ctacagttat	ttcttcttca	1680
ggttttaatt	caccagcttc	tttctttatt	tctgactcta	caattgggat	ctctccaagg	1740
gacctgcgga	tctcagtcac	cacactctga	atgtcttcct	tggtactaca	gtattctccc	1800
aggatccata	atgctcctcg	gtaaatcttg	acagatttaa	tagcatgaaa	gacttcaagc	1860

09483725.012100

atctttctcaa	caataagcat	tctcagggtta	tcaaagcgct	gaatggcttc	acgaacaaac	1920
tccaagacat	cagcagctgc	tgcttcggtg	ttgtcactga	gaaattccat	taacacagga	1980
ataacatttg	cagccatata	tggaaatcgg	acagaacagg	aatgcaatgt	tcgcactagg	2040
agttgtctgt	atcttgcagt	atcttcatgc	tcagacacat	tatttgtttt	tatcacttcc	2100
ttcttcagga	caataaccag	ctcttcaaca	tttctagaag	agacaagatc	cagtgcctaac	2160
tgcagagttt	tctttcgtac	ttctaagtct	gggtgtgctca	atactcttag	gatatccata	2220
accagatcct	gtagtactcg	ttcatgagca	ggatgctctt	ttaattctat	caagcgatcc	2280
aaaactatga	gttttacatt	gttgtcgctc	tccttaataa	ttaaatcaat	gtaacactga	2340
gcagcagcct	tgattgcagt	tggtgcacta	gagagtgtca	ctaattgtccc	agcagcttca	2400
tattttacag	cagggctgga	tgactgtaat	aagttataga	tgacgcgaat	aaaacgagct	2460
ctttctgatg	gattagcatg	acagccctta	taaatcagtt	caacaataac	cagctgcaga	2520
atgtctccaa	atggttgaac	ttgatcaatg	caagtactta	agtaatccaa	agctcgatcc	2580
tgatctgcat	gaattagcat	cataaatgca	ttccttttgc	aacttgcatc	ctt	2633

<210> 4995
 <211> 2756
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (2734)...(1931)
 <223> similar to gill130494 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4995	
tttttttttt	ttcatgttcc cgtatgcttt attggaatgc tgtcagggtcc ggcgccttcca 60
cctgggccc	cacacacagc aaggagaggc cccagcacccg gtcccaggcc cacctgcccg 120
cacctgcaga	agggaaaggc catcacccctc cgtggacggg gtctcggcca ccacatccac 180
cttctgaagg	tggcccagac acctccacgc tgctgactgc acttcccatac aaaagggaact 240
ccctggggca	gagtgggccc tccccctacc cccgaggaag gcaccctcct gggcgggggac 300
agaccttggc	tccatgctgc caagtcaagg tgctggcgtg gaaacaggca catgtggaac 360
accacatccc	actgtccaag gtggagtcca cccctcctcg gagcactcag cccaccaggg 420
tccaagcagc	cctcgggaga taaccacgcg cgcgccacgt ctgagcttgg agaaagacac 480
tcaaagaccc	ccacgctcag ctctcggggg ctggttccct gggccctttg tgctggctgc 540
tttcccgggtg	gctttctcagc accttgagcc tctgatgccc cgcctctgac ctgaggtcca 600
actacagcag	gtggctgctt cgggtgatcaa atccctccgt ggcagccaag gacaccggcc 660
ctccacacca	gctaccaaga gggctggtgc ccacagggag gaccgggccc caggagggct 720
cgtgaaatc	tcgggtcccat cctgttctgc aagtggctga gtccctaggg tgggacgagc 780
acaggggctg	aaggggccag gctgctccag gactgctgca gacggcgacc ggggaagtggg 840
gtgaccaggg	agcatggcca aggccagagt gatgagcatg gtggcaggga ggagagcacc 900
tcacgtacaa	actgcacgag cttcggggcg atgcatggct ggccaagact gagggtcaca 960
cagggcagac	aagggagacg agtcacacgt ggcagcacat catccagtc tgggggaggt 1020
gaggggttggc	atgtggcggg caccgggtgtg cagggcagcc ccatacctggg gctggagctt 1080
ccctagaccc	aggcaccacg cacaggcatc cctgctcag ctctgaacc cggcccctcc 1140
tgcttgccca	cgtccgctat cgcaccctcc tgcatacagg cagagggcc accctgcgct 1200
cctttttctt	ccagggtgtt ccaggatggt caagttccag cactgagaac agctcaggtg 1260
tgggtgtggc	tattgtggag gccgtgtctg gtgaacctgg tgaacttggg ggtgggacgg 1320
tgctgatgca	ggggagccac agaggggttac gaccgacgcg ggtctgacag cacaggccca 1380
ggcaggcggtg	gactcgggag ccgagggtgg tcggatggca gcgtgagcgc cagtatcatt 1440

tccagcattt	ccatctttac	cactccagtc	actctcttca	aaaagaaaga	actagagcaa	1500
aaccaaagtt	aaatatctca	acgagaaggg	acacctcacg	tcgctgacag	ctcgggcacgt	1560
ggctgggtccc	agggcccaga	gatactgctg	agtgaactgg	ccgctggaac	gcagtcacag	1620
gcctctgtgc	tgcagcccac	ctcccagcaa	gccacgcaga	gccccggcct	tgagtccaag	1680
aatgcccagg	ggagtgtggg	acgggacggc	ccccacacag	gctggacagc	aagccgcccc	1740
cacgcaccga	agactcccca	cgcgcaggcg	gcgcacaccc	gggtctccct	agggctctgc	1800
ctcccagagc	gctgtcctca	cactgcagtt	gctgattctt	gggtcaaagt	gaaggaggag	1860
gaacgacgag	ggcagagtgc	aaacacgaag	tcgcccgggg	gcgctgggga	cgggggcgca	1920
gtggggcccta	ccagttcttg	ttgtcccagc	catcatcagt	gggcacggcc	ggcggcactg	1980
ccttcttggt	gccctccccg	ccctccccgc	cgctcgctgt	gctgttcctg	ttggtggagg	2040
ccgagcccca	cacctcccag	ctgtccgagc	tcctcctctc	ggtggagggt	tccgcgcacg	2100
tccagctgtc	gctgtctggg	gacttgccgg	tcttggtggg	ctcagcactt	ccaaaggtct	2160
cccagaagct	ctgggtctatg	ttgctgtttt	ggaagtgtgc	cagaccgctg	ttctgataac	2220
tgtggccctc	cgagggggctg	tccaaggggc	cctctgcttt	ccccgaaaaa	aaggtggtga	2280
cgtcccgcca	tcccttacta	ccgactccct	ggaccttgga	cgccaactga	gagacccac	2340
tggagacatc	atcaaaaaatc	tttccctcct	tcaccttctc	ctgcgcaggc	ttgaggacgt	2400
tctcgttcag	gctgtggccc	agctcggacg	ccttctgact	cgcttgggat	ccaaactttg	2460
tagcgccctc	cttggtgcc	gaggcaaacc	ggctggctcc	agtgggtgaag	ctgctccagc	2520
ccgagtacag	ggaggacatg	gcgttggtga	ggaagtcac	ttctttcttc	tgaggcggtg	2580
gcgtgttccc	aaacccacg	tagcgattcc	cctgggcccc	ttgataggag	ccgaggtcat	2640
cattcagcca	gtcttcaaaa	gccttgctccg	aggaggcggt	cacactctgc	ggctggccag	2700
agactcggtg	caccatgaaa	ggcagcgctc	tgcccacgcg	tccgcccacg	cgtccg	2756

<210> 4996

<211> 1380

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1098)

<223> similar to gi3098418 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4996

acaagatgcg	agccatcctg	cgcataagaag	tggaggccgt	gcggtttcta	aagagggagc	60
cacacaagct	ggacagtctc	ttgaagcgtg	tgcgcagcat	gacagacgtc	ctgaccatgc	120
tgcggagaca	tgtcactgat	gggtcctga	aaggcacgga	cgcagcccaa	gccgcacagt	180
acatggctat	ggaaaaggcc	acagccgcag	aagtcctgaa	gagtcaggag	gaggcagccc	240
acacctccgg	ccagcccttc	cacagcacag	gtgcccctgg	cgatgcgaag	tcggaagtgg	300
tgcctttgtc	cggcatgatg	gttcgccacg	cgcagagctc	ccctgtgggtc	atccagccct	360
cccagcactc	cgtggccctg	ctgaaccctg	ctcagaactt	gcctcacgtg	gccagctccc	420
cagccgtccc	ccaggaagca	acctccactc	tgcagatgtc	gcaggctccg	cagtccccac	480
agatacccat	gaatgggtct	gccatgcaga	gcttgttcat	tgaagaaatc	cacagtgtga	540
gtgccaaaga	cagggcagtg	tctatcgaga	aagcagaaaa	gaaatgggag	gaaaaaaggc	600
aaaatctgga	tcactataat	gggaaagagt	ttgagaagct	cctagaagaa	gctcaggcca	660
atatcatgaa	gtcaatacca	aatctggaga	tgccgccagc	cacaggccca	ctgccaaggg	720
gagatgcccc	agtggacaag	gtggaacttt	cagaagattc	tccaaattcg	gaacaggact	780
tggaaaagct	gggggggaaag	tcgcccctc	ctcctccgcc	acctcctcgt	cgaagctacc	840
tgccaggatc	gggactcacc	accacgaggt	caggcgatgt	ggtctacacc	ggcagaaagg	900

agaacatcac	cgctaaggca	agcagtgaag	atgctggacc	aagcccacag	accagagcta	960
caaaatatcc	agcagaggag	cctgcttcag	cctggacccc	atccccaccg	cctgtcacca	1020
cctcctcctc	aaaggatgag	gaggaagaag	aagaagaagg	agacaaaata	atggcagaac	1080
tccaggatatg	tggatgaggt	gactgacatt	ggctccttgc	ctcccgctg	ggtctctcca	1140
gccatggcac	tcacagatth	gttagcgaga	aggccaggga	agcgcatgga	ccgggacccat	1200
agaagctgtg	tcttctggcc	ttagcctttg	ctttcccaag	atggcgctga	acaaggctct	1260
caggatgcct	ataagatgtg	caaggaatga	ccatttcaca	aaacaactca	cgctttccta	1320
cctctggctg	taaaattgac	tttcctttct	ttccatctta	agagattctg	cttcatttca	1380

```

<210> 4997
<211> 1549
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (114)...(1114)
<223> similar to gi5091611 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 4997						
cgacgatttc	gtggcggttc	aggcgccaga	gctggccgat	cggcgttggc	cgccgacatg	60
acgcccagag	acccagagga	aaccagccg	cttctggggc	ctcctggcgg	caggtctaca	120
tctccgaaat	cgctaccca	gcagtcggg	ggttgctcgg	ctcctgtgtg	cagctaattg	180
tcgtcgctcg	catcctcctg	gcctacctg	caggctgggt	gctggagtgg	cgctggctgg	240
ctgtgctggg	ctgcgtgccc	ccctccctca	tgctgcttct	catgtgcttc	atgcccgaga	300
ccccgcgctt	cctgctgact	cagcacaggc	gccaggaggc	catggccgcc	ctgcggttcc	360
tgtggggctc	cgagcagggc	tgggaagacc	cccccatcgg	ggctgagcag	agctttcacc	420
tggccctgct	gcggcagccc	ggcatctaca	agcccttcac	catcggcgtc	tccctgatgg	480
ccttcagca	gctgtcgggg	gtcaacgccg	tcatgttcta	tgcagagacc	atctttgaag	540
aggccaagtt	caaggacagc	agcctggcct	cggtcgctgt	gggtgtcatc	caggtgctgt	600
tcacagctgt	ggcggctctc	atcatggaca	gagcagggcg	gaggctgctc	ctggtcttgt	660
caggtgtggt	catggtgttc	agcacgagt	ccttcggcgc	ctacttcaag	ctgaccagag	720
gtggccctgg	caactcctcg	cacgtggcca	tctcggcgcc	tgtctctgca	cagcctgttg	780
atgccagcgt	ggggctggcc	tggctggccg	tgggcagcat	gtgcctcttc	atcgccggct	840
ttgcgggtgg	ctggggggccc	atcccctggc	tcctcatgtc	agagatcttc	cctctgcatg	900
tcaagggcgt	ggcgacaggc	atctgcgtcc	tcaccaactg	gctcatggcc	tttctcgtga	960
ccaaggagtt	cagcagcctc	atggaggtcc	tcaggcccta	tggagccttc	tggcttgccct	1020
ccgctttctg	catcttcagt	gtccttttca	ctttgttctg	tgtccctgaa	actaaaggaa	1080
agactctgga	acaaatcaca	gcccattttg	aggggcgatg	acagccactc	actaggggat	1140
ggagcaagcc	tgtgactcca	agctggggcc	aagcccagag	cccctgcctg	ccccagggga	1200
gccagaatcc	agccccttgg	agccttggtc	tgcagggtcc	ctccttctctg	tcattgctccc	1260
tccagcccat	gaccgcgggc	taggaggctc	actgcctcct	gttccagctc	ctgctgtgc	1320
tctgaggact	caggaacacc	ttcgagcttt	gcagacctgc	ggtcagccct	ccatgcgcaa	1380
gactaaagca	gcggaagagg	aggtgggcct	ctaggatctt	tgtcttcttg	ctggaggtgc	1440
ttttggagggt	tgggtgctgg	gcattcagtc	gctcctctca	cgcggtctgc	ttatcgggaa	1500
ggaaatttgt	ttgccaaata	aagactgaca	cagaaaatca	aaaaaaaaa		1549

09489725 012100

<210> 4998
 <211> 2938
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(947)
 <223> similar to gi5912247 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 4998

acgcgtccgc	cggagcgggc	catggacgcg	ctcaagtcgg	cggggcgggc	gctgatccgg	60
agccccagct	tggccaagca	gagctggggg	ggcgggtggc	ggcaccgcaa	gctgcctgag	120
aactggacag	acacgcggga	gacgctgctg	gaggggatgc	tgttcagcct	caagtacctg	180
ggcatgacgc	tagtggagca	gccaagggt	gaggagctgt	cggccgccgc	catcaagagg	240
atcgtggcta	cagctaaggc	cagtgggaag	aagctgcaga	aggtgactct	gaaggtgtcg	300
ccacggggaa	ttatcctgac	agacaacctc	accaaccagc	tcattgagaa	cgtgtccata	360
tacaggatct	cctattgcac	agcagacaag	atgcacgaca	aggtgtttgc	atacatcgcc	420
cagagccagc	acaaccagag	cctcgagtgc	cacgccttcc	tctgcaccaa	gcggaagatg	480
gcacaggctg	ttaccctcac	cgtagccag	gccttcaaag	tcgcctttga	gttttggcag	540
gtgtccaagg	aagagaaaga	gaagagggac	aaagccagcc	aagagggagg	ggacgtcctg	600
ggggcccgc	aagactgcac	cccccccttg	aagagcttgg	tcgccactgg	gaacctgctg	660
gacttagagg	agacggctaa	ggccccgctg	tccacgggtca	gcgccaacac	caccaacatg	720
gacgaggtgc	cgcggccaca	agccttgagt	ggcagcagtg	ttgtctggga	gctggatgat	780
ggcctggatg	aagccttttc	gaggcttgcc	cagtctcgga	caaaccctca	ggtcctggac	840
actggcctga	cagcccagga	catgcattac	gcccagtgcc	tctgcctgt	cgactgggac	900
aagcctgaca	gcagcggcac	agagcaggat	gacctcttca	gcttctgagg	gcccggggcc	960
agccggacac	aagcggccct	gacacgtgat	ggaccaaagc	cacctgctgc	gggggagcca	1020
gttctggggc	ccgectgcca	cctctcccag	ccctcagcat	tgtcagcctg	aagatcagag	1080
ctgcagccag	tcaggcaggg	gagagatttt	tcttttaagc	cctgctcttt	ctctgagaac	1140
caaaagatgc	cttgaatatt	tattcagtga	cttctggctt	atgctcagaa	gccagtctgc	1200
gtcaggcacg	tctcctgctg	cgtgacatgt	gcagtgtgtg	aatcggtctc	cgcttgctct	1260
cctggagcaa	gctctgccct	ggctgtgggt	atcaggactg	tgaccaaagc	atttctagtc	1320
ccttctctct	ttctaaggac	ccaaatttcc	ctgggggcat	cctgcttcct	gaaagctgtt	1380
ggatttcagt	gatttttccc	ccccccccc	agcacaggag	agcaccaca	gccgcagaag	1440
gggaatgtgt	cctcctgctc	tgcttccctca	gggccccagc	aggcgggggg	tttgagccct	1500
gggacccag	gcttctctag	agacttaagg	gggcagctcc	tgaaccaaag	acgatacagc	1560
ttggcacttt	aaagcattaa	cagcaggtgt	gaccctgagg	gctcctccat	ggtgctgcat	1620
tgagtccagc	tttccttctg	cccttccctc	aggagaaggg	gccaagggtc	cccgtggatg	1680
gtctccacct	gtgcttggaa	ccagtgtaac	tggctgtctc	ctgctcccag	ggactgacac	1740
ggggatcatc	tctgtgaccg	ccctccgtcg	ggccccctgc	tgcttctctc	cctccacgca	1800
aggctgtgct	ttcctcttgg	tttctgtgtg	tccgttttag	tgtctgcgcc	ccgcctcccc	1860
atacttcctg	ggatgatgtg	tgaaacctga	cacctagatt	tatttggaag	tattctatga	1920
ccactttaca	gatgaggaaa	ctgaggcctc	aagcgtggag	gggtagagtg	aagagttaga	1980
cccaggctctg	atgccaaagc	tgctttcttc	tctgcctcct	cctcacgcaa	ctcacacctc	2040
cttttcttct	agctttgttg	tctcccagg	aacaaaaaaa	ccccagctat	tttctgacca	2100
aaatgtgttt	cataacaaac	catctggtgc	ctttccacac	agaactggca	ggagcctcgt	2160
gtcctgctag	ctgtctctct	tgttgatttc	cgtgaaaatg	caagtgtttg	aagtctgctc	2220
attccgaggg	tgaacaaaaa	tccaaccttg	tcagaatcat	gctgttctct	ttgctgacac	2280
tgtgaccctg	ggtcgggaca	gaccagcagc	aatctgtctt	tagaatctct	ttccttctct	2340
cccttttgcc	cccgtggggc	tcccggcatc	ctgaaagcca	gcaaagcctc	cagcatcttt	2400

09433725.012100

tccatcctga	gggtgcctccc	agtggcctgg	cttgtcggag	caagtttcat	cagccctagg	2460
gaaaacacgg	cccctcctgg	gaacctcctt	acctggagta	accggacacc	ttagacggag	2520
gtgcctgagg	gtgggggtggg	atttgcaggg	tcattatcag	aacatgagga	taacttcctt	2580
gcccctgctc	tgtagccacc	tccttggcac	cggcctctat	ttgtcataag	gcggcggtggg	2640
cgaggcctga	cacaggccag	ccttggcacg	aggggggcca	ggggttctga	gaagcgctgc	2700
cctgtgagag	ccacgtgaga	gccatgctgg	ccttcgtctc	catctctggt	tgacgggctg	2760
tccgtgtgcc	tcctgtgtgt	ctgcagacac	acaggagcca	cgctggcctt	cgtctccatc	2820
tctggttgac	gggctgtccg	tgtgcctcct	gtgtgtctgc	agacaagtct	tgctgtgctt	2880
tatttgtgaa	actttaatga	ggaaaaaaca	aataataaat	gttctcgttt	tgaaactc	2938

<210> 4999

<211> 2910

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(2858)

<223> similar to gi2564330 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 4999

gcagtatctg	ggagagacgc	agttcgcacc	gggccagtgg	gctggcgtgg	tgctggacga	60
cccgggtggg	aagaatgatg	gcgcggtggg	cggcgtgcgc	tacttcgagt	gcccggccct	120
ccagggtatc	ttcacgcggc	cctccaagct	gaccgcgagc	cccacggccg	agggtcggg	180
gagtgatgcc	cactccgtgg	agtcgctgac	tgcccagaac	ctgtcattgc	attcgggcac	240
ggccacgccc	ccgctgacca	gccgcgtcat	ccccctgcgg	gagagcgtcc	tcaacagctc	300
cgtgaagact	ggcaacgagt	cgggatccaa	cctctcagac	agcggctctg	tgaagcgggg	360
cgaaaaggac	ctgcgcctgg	gggaccgcgt	gctggttggc	gggacgaaga	ctggcgtggt	420
gcggtacgtg	ggggagacag	actttgccaa	gggcgagtgg	tgtggcgtgg	agctggacga	480
gccccttggg	aaaaatgatg	gggcggtggc	gggcaccagg	tacttccagt	gcccacccaa	540
gttttgtctc	ttcgcgcccc	tccacaaagt	gatccgtatc	ggcttcccat	ctaccagccc	600
agccaaggcc	aagaagacca	agcgtatggc	catgggtgtg	tcagcactga	cccacagtcc	660
cagcagttcc	tccatcagct	ccgtcagctc	tgtggcctcc	tccgtggggg	gtcggcccag	720
ccgcagtggc	ctgctcacgg	agacctcttc	acgtacgcc	cgcaagatct	cgggcaccac	780
ggccttgca	gaggcactga	aggagaagca	gcagcacatt	gagcagctgc	tggctgaacg	840
agacctggaa	cgggctgagg	tggccaaggc	cacaagccac	atctgcgagg	tggagaagga	900
gattgccctg	ctcaaggcac	agcatgagca	gtatgtttgca	gaagccgagg	agaagctgca	960
gcgagcccgg	ctgctcgtgg	agagcgtgcg	gaaagagaag	gtggacctgt	ccaaccagct	1020
ggaggaggag	aggaggaagg	tggaggatct	gcagttccgc	gtggaggagg	agtccatcac	1080
caagggagac	ctggagaccc	agacgcagct	ggagcacgcg	cgcattgggg	agctggaaca	1140
gagcctgcta	ctggagaagg	cgcaggccga	gcggctgctc	cgagaattag	cggacaacag	1200
gctgaccaca	gtggccgaga	agtcgcgcgt	gctgcagctg	gaggaggagc	tcacctgctg	1260
ccgaggtgaa	atcgaggagc	tccagcagtg	cctgttgctc	tcgggtcccc	cacctccgga	1320
ccaccagagc	gccgcgagga	tctgcggct	acgggagcgg	ctgctctcgg	ccagcaagga	1380
acaccagagg	gagagtgggg	tgctgcggga	taaatacgag	aaggccctga	aggcctacca	1440
ggcggagggtg	gacaagctcc	gcgcggccaa	cgagaagtac	gcacaggagg	tggcgggcct	1500
gaaggacaag	gttcagcagg	ccaccagcga	gaacatgggg	ctaattggaca	actggaaatc	1560
caagctggac	tcgctggcct	cggaccacca	gaagtccctg	gaggacctca	aagccaccct	1620
gaactcgggc	ccaggcgccc	agcagaagga	gatcggcgag	ctgaaggcag	tgatggaggg	1680

catcaagatg	gagcaccagc	tggagctggg	taacttgcag	gccaagcatg	acctggagac	1740
cgccatgcac	gtgaaggaga	aggaggccct	gcgagagaag	ctgcaggagg	cccaggagga	1800
gctggctggg	ctgcagcggc	actggcgggc	ccagctggag	gtgcaagcca	gccagcaccg	1860
gctggagctg	caggaggccc	aggaccagcg	ccgggatgcc	gagctgcgtg	tgcacgagct	1920
ggaaaaactg	gacgtggagt	accggggcca	ggcgcaggct	atcgagttcc	tcaaggagca	1980
gatctcgctg	gccgagaaga	agatgttgga	ctacgagcgg	ctgcagcggg	cagaagccca	2040
gggcaaacag	gaggtcgaga	gtttgcggga	gaagctcctg	gtggctgaga	acagactcca	2100
ggcggtcgag	gccctgtgct	cctcccagca	caccacatg	attgagtcga	atgacatttc	2160
agaggagacg	atcaggacga	aggaaaactgt	ggagggcctg	caggacaagc	tgaacaagag	2220
ggacaaagag	gtgacagcct	tgacctccca	gaccgagatg	ctcaggggccc	aagtaagtgc	2280
gctggagagc	aagtgttaagt	caggcgagaa	gaaggtggac	gccctcctga	aggagaagcg	2340
gcgcctggag	gcagagctgg	agaccgtgtc	ccggaagacc	catgacgcct	cgggccagct	2400
agtcctcatc	agccaggagc	tgctgcggaa	ggagcggagc	ctgaacgaac	tgcggtgttt	2460
gctgctggag	gccaatcgtc	actcccaggg	gccggagagg	gacctgagcc	gtgaggtaca	2520
caaggctgag	tggcggatca	aggagcagaa	actcaaggat	gacatccggg	gcctgcgtga	2580
aaagctgacc	gggctggaca	aagagaaatc	cctgtcggat	cagaggcgct	actccctcat	2640
cgaccctgcc	tcggcgcccg	agcttctgcg	gctgcagcac	cagctgatga	gcacggagga	2700
cgccctgcgg	gatgcgctgg	accaggctca	gcaggtggag	aagctgatgg	aggccatgag	2760
gagctgccct	gacaaggccc	agaccatcgg	caattccggt	tctgcaaacg	gcattccacca	2820
gcaggacaaa	gctcagaaac	aagaggacaa	gcactgatcc	tgaggggata	ctgtggagca	2880
gcccagtgca	caccagagcc	ccactgtatt				2910

<210> 5000

<211> 1448

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (52)...(462)

<223> similar to gil72168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5000

tttcgtctgc	tggcgggccgg	gagcgccggg	acggggcgct	aagccggagg	ctccgggacg	60
tggatacaga	tgaaaagaag	caaagaattg	ataactaaaa	atcatagtca	agaggaaaca	120
agtattcttc	gttgttggaa	atgtagaaaa	tgtatagcaa	gctctggttg	ttttatggag	180
tatcttgaga	atcaagtgat	taaggataaa	gatgattcag	ttgatgctca	aaatatttgt	240
catgtgtggc	acatgaatgt	agaagccctt	ccagaatgga	taagctgcct	aatccaaaaa	300
gcccagtggg	cagttggaaa	actgaattgt	cctttctgtg	gggcccgttt	agggggcctt	360
aattttgtca	gcactccaaa	atgttcctgt	ggccagcttg	cagctgtaca	tctctccaag	420
agccggactg	attatcagcc	aacacaggca	ggcagactaa	tgagaccatc	agtgaataac	480
ttgtcacatc	ctatagtcca	gtcaggttgt	gacaagggaag	ctctgctgac	aggtgggtggc	540
tctgaaaaca	gaaatcacag	gctttttaaac	atggcccga	ataataatga	ccctggaaga	600
ttaacagaag	cactctgcct	ggaggtgcga	ccaacatatt	ttgagatgaa	gaacgaaaaa	660
ctgctgtcca	aagcatcaga	acaaaaatac	cagctttttg	ttccccagct	tgtgactggc	720
agatgcgcta	caagagcttt	tcatagaaaa	tcacatagtt	tggatctgaa	catcagttag	780
aaactgactt	tattaccac	tttatatgaa	atacatagta	agactactgc	ctattccaga	840
ctaaatgaaa	cacagcctat	tgacctttca	ggcttgccct	tacaatctag	taaaaatagc	900
tattcctttc	agaatccatc	cagttttgat	cctagtatgc	tgctgcaaag	attttcagt	960


```

gcccccatg agaccagac acaaagagga ggagaatttc agtgtggtct agaagctgct 1020
tcagtgtatt ctgaccatac taataactaac aatctgactt tcctgatgga cctgccctca 1080
gctggcagga gcatgccgga ggcctcagac caggaagagc acctctcccc tctggacttc 1140
ctgcactcag ccaatttttc attgggcagc attaatacaga ggcttaataa gagagaaagg 1200
agcaagtga agaataaag aaggaaacaa cgaaggcgtg aaagatggct acagaagcag 1260
ggtaaatact caggagtggg attgctggat catatgactt tgaataatga gatgagtaca 1320
gatgaagaca atgaatatgc agaagaaaag gatagctaca tctgtgcagt gtgtctggac 1380
gtttatttca acccttatat gtgttaccct tgccatcaca tcttctgtga gccctgctta 1440
cgactct

```

```

<210> 5001
<211> 1238
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (180)...(464)
<223> similar to gi2911858 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5001
cggccagaaa attgaaagcg ttggacgccc taccggaccg caattcccga tgacgatttc 60
gtctgtaacg cagaagcgaa atgtagcgag ccggttgctg cggctggacg ctgccttg 120
ctgggggtgt gggggggcac gccgggggccc aaggaggact gtcgaggagg agtgaagtga 180
attctcgctc agcccggttc ctcttcctcc tcgtggtccc aggacacctg gtgttcctct 240
acaccatcag ctgtatgcag ggcgggcaca ccacctcac actcatcttc atcatcttct 300
atatgacagc tgactgctc cagggtgctga ttctcctgta catcgagac tggtggtgc 360
actggatgtg gggccggggc ctggaccggg acaacttctc catccatac ttgactgctc 420
tgggggacct gcttggcact gggctcctag cactcagctt ccatgttctc tggctcatag 480
gggaccgaga cacggatgtc ggggactagc ttggtcactc aacattttcc ccatccctct 540
gcactttcta tttgaaattt ttcttttggt cccctgtccc tctccacccc cacactccca 600
cctctttcta ggacttcact ttgataccaa attctcatta ttttcaatgg gaatttttat 660
acattgagcc aagtttgtat agcaagaatt tgggaaacac agatggcctg agataagcag 720
tacaagtagg tttttgagac aatcaccaag tgcaatttca tgggtgggtgc ctccaggtga 780
tgtggactgg agcaggggag ttttgtctgg aatctgggga catgggggtt ggcttttagca 840
acctgtcttg gccctaataa gaaacccttt gtaagtgggc tctggatttt tggttttggt 900
ttctttttat ctgttttggt ttatttttggt ttttggttga acagagggac agaagaataa 960
gtaacactcc caaacacaga catacttttg tagaagtgga ccaacttcaa agctctggac 1020
aggagacacc tgctccaggc ccctgtgata ccagttctgt tctcttgccc tctggacctc 1080
agcgttccca ctgcagaaa gagtaagggt gactgacttt tcaatttgtg cacatgcctc 1140
ttgttcaatg gcctggtcaa catcaacaac cctccctct gatcatttcc agttgattgt 1200
catatccaga aaaaaatgga acagtgcact cttctccg

```

```

<210> 5002
<211> 2610

```

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1)...(769)
 <223> similar to gi868189 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5002

gtggaatggg	acaaagacca	tggggtcctg	gagtcccacc	tggcggagaa	ggggagaggg	60
atggagctat	ccgacctgat	tgttttcaat	gggaaactct	actccgtgga	tgaccggacg	120
ggggtcgtct	accagatcga	aggcagcaaa	gccgtgccct	gggtgattct	gtccgacggc	180
gacggcaccg	tggagaaagg	cttcaaggcc	gaatggctgg	cagtgaagga	cgagcgtctg	240
tacgtgggcg	gcctgggcaa	ggagtggacg	accactacgg	gtgatgtggg	gaacgagaac	300
ccggagtggg	tgaaggtggg	gggctacaag	ggcagcgtgg	accacgagaa	ctgggtgtcc	360
aactacaacg	ccctgcgggc	tgctgccggc	atccagccgc	caggctacct	catccatgag	420
tctgcctgct	ggagtgacac	gctgcagcgc	tggttcttcc	tgccgcgccg	cgccagccag	480
gagcgctaca	gcgagaagga	cgacgagcgc	aagggcgcca	acctgctgct	gagcgccctc	540
cctgacttcg	gcgacatcgc	tgtgagccac	gtcggggcgg	tgggtccccc	tcacggcttc	600
tcgtccttca	agttcatccc	caacaccgac	gaccagatca	ttgtggccct	caaatccgag	660
gaggacagcg	gcagagtgcg	ctcctacatc	atggccttca	cgctggacgg	gcgcttccctg	720
ttgccggaga	ccaagatcgg	aagcgtgaaa	tacgaaggca	tcgagttcat	ttaactcaaa	780
acggaaacac	tgagcaaggc	catcaggact	cagcttttat	aaaaacaaga	ggagtgcact	840
tttgttttgt	tttgttcttt	ttggaactgt	gcctgggttg	gaggtctgga	cagggagccc	900
agtcccgggc	cccatagtgg	tgccggcact	ggacccccgg	gccccacgga	ggccgcggtc	960
tgaactgctt	tccatgctgc	catctgggtg	tgatttcggg	cacttcaggc	attgactcaa	1020
ggcctgccta	actggctggg	tcgtttcttc	catccgacct	cgtttctttt	ctttcctatg	1080
ttcttttgtt	cagtgaatat	ccctagagct	cctaccatat	gtcaggccct	atgcctcacc	1140
ctgagaacgc	agtgagcatg	aggtggacct	gtttgtctgg	aaccccagg	cacccccttt	1200
tcttctact	ctgtgcctgg	agcatcatgt	ccacccctgc	agatccttgg	aaaagaaaat	1260
gtttatgttg	caggggtattg	catggtcacg	agtgagggca	ggccccctgg	gacacatctg	1320
cccacagctg	cacaggccag	ggcgcaggca	catctgttgg	ttctcaggcc	tcagataaaa	1380
ccatctccgc	atcatatggc	cagtgaaccg	tttctccctt	caagaaaatt	ctgtggctgt	1440
gcagtacttt	gaagttttaa	ttattaacct	gctttaatta	aagcagtttc	ctttcttata	1500
aagtggaaac	accaaattct	atcacacaga	gcacagtcct	gtagttaccc	agcccgcctc	1560
agcagtgcgg	gagattgtaa	ggaagcgggt	gcggtctggt	aagcaagtct	cacatgtcgg	1620
cgttcttggc	caatggatac	aaagataaag	aaaatgttgc	ctttttctag	gaactgtcag	1680
aaatcctcat	gcctttcaag	acttctgtga	atgacttgaa	ttttttattc	cctgcctagg	1740
gtctgtgaac	gaggcctgtc	tcttccctgg	ggtttctttc	catggccttt	atttctcctc	1800
ttccagtggg	agttttgcag	gctcttctct	gtggaaactt	cacgagcgtt	ggctgggcct	1860
cggcttcgct	ggagtgtact	ccaggggtgaa	ggcagagtgg	gatttgagac	ccaggttagg	1920
cacgacccag	gctgagaagg	gacgtttcca	tcattcacag	tgccctcccc	acagcactac	1980
ctcaccccga	ccccaccct	cactcctacc	ccaccccgcg	atcgtcaggg	gtgccacggg	2040
gggcgggagg	gtgccggctc	tggctgtccc	tgtgccggtc	cctcacaaac	ctctccccct	2100
ttgaaactca	agcacagctg	cgaggagggg	agcgaggagg	gacccctctc	tcatggttgt	2160
ctctttcccc	cgctatgtca	taggtagtgg	aggaagcgaa	ggaagtgaac	gctgaatgtg	2220
acgcatttct	gaagagctca	gctgtcaccc	ggcatagcct	ggaagcccca	agtctgttct	2280
gactttgcct	ggctgtctcc	ttgacccgcc	tcctagatca	ttgtccttga	tgtccaggct	2340
gggtcattta	aaatagagat	gcaatcagga	agggtggggg	acttgggact	gtggctgaat	2400
tgagaccttg	ctgatgtatt	catgtcagca	cctgagtcac	agcccagggtg	cccggaagca	2460
gcctcttcgc	ataaggcagt	gattttgcga	attactttaa	agctcacctt	ttttcttccc	2520
ctctctgttc	gctgctgtca	gcataatgat	tgtgttcctt	ccctatggga	tccatctgtt	2580
ttgtaaacia	taaagcgtct	gagggagtgt				2610

09438725 012100

<210> 5003
 <211> 1415
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1161)...(709)
 <223> similar to gi746495 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5003
 tttttttttt ttcacactgt cacaatttat tgaaatttta taaaaactca ggccaagtgg 60
 aagaataagg tacaactcaa gagtacaaag acaactccgt ttccgttcag tacttttctc 120
 ctccagcactg gtggtaagaa agccccttgc tctctagtag ccaggcagca tggacttaca 180
 gtcttaaaat gaggctttat gtatttcagg ctggaggcag gttgcctttt ctctgagga 240
 atctcaggca gggtaaaaagt tacttaccac tcagtacctc tgtgccagaa gaaaagctca 300
 atttattcaa tccttagaaa agttactatc gtccccctgg cagacactaa ggtgtcttga 360
 taagggtccag agacaaccac atagtcctta ttctaattcg tagtgaaaag gctgcaggca 420
 tatggtgctc ctacgatggg cctgaccctt tcctaagcac atctcatthc cacatccttt 480
 gccttctctt tcccccaaca tttccagcca gcatagaacc caatttctgg gaaattgaga 540
 ggagaaaacag tattatgaac acagactcct ttcaaattgg aacaggagcc aaaccaaata 600
 aataagagaa ttgtgtaggg aagtggggta gaaggagggt caggaggcaa tcccttgcct 660
 caagtctggg gcacctcatg gaacatcagt tcacggggga tggctgtttc tggaccaaac 720
 ttggtggctg cccgacgctc aaaggcagca acattctgtt tgacaacctc atcaaaaaac 780
 atggtggcca gctgggagtg cagcagagaa cgaaattcaa aggaaatcga aaagtccaca 840
 gtgcagggtc gaggataggc aggaatacca gggctgaatc gccaaatagt ctctaagtgg 900
 ttgaagagct tgccatcagt acaaacagcc ttgaccatgt gaggtttgac catggaaaact 960
 gcagaggtgt aacgttccat gacaggtgga aagccaacct ccagctgggc tttcaaata 1020
 cccttacggc tggataccac cagagacttc ttaccccagg gcacaaactc acgatactcc 1080
 tggacgttgg acaccacctc atacatctcc tgcattgagt accccatgat tctacgctcc 1140
 gagtaagcct ttcgcttggt ggtgaaggga gcagcaaatc ccatgaagga acggctcgaa 1200
 ggtaagccag cctcagccgc caagatctgg gcagcccag gcaagaggag gctgcaggag 1260
 gtcagaaaacc ccgagaactt cccttctcgt acaacttgca aaagcattat ccaaagctct 1320
 acgttagctc ccagggcagt attgctgcca gtccccgccg cgcctgcatc ccagtatagc 1380
 acccctccac cgcggaaccc cggggttcgc agcga 1415

<210> 5004
 <211> 988
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (769)...(231)

<223> similar to gil001126 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5004

```

tttttttttt tttatttggg ttttttttct cttaaaaaga tttattatca aaaagtttgc    60
tcccttttaa tactgagcca attcatcaat gcagctccat tcttttttagg attattaggg    120
cccaaataat ttcagactaa aacaagaaat aaaaaactgg actatagggt cagtaacata    180
ttcacagaca tgtcagtggt cactcaggaa cactggtttc atttcttgat tggaaatgctt    240
atcaccataa aatcttctgc tagagtcact tcttgagat ctaacactga ttcagcttgc    300
tttttttagt ctgcaatgcc atctgtttct ctttctctgg ccaaggcaac tggtttgtag    360
ctctgactga agtgagtcag aaccagcctc ttgacggtc acaactttgc aaatgttgct    420
gccatctgtg gtgtgctgtg gccatgctcc ttgctttgt ccatctgggc atcatccagg    480
gttgcttcgt ggatcaacag gtctgcttca aagcacagtt ttactcctcc atcaccaca    540
accccagagc agtcacccaa tatgcagatt tttcttccaa caataggctt ttttaagaca    600
tcttggggag aaattgtaac cccattttcc agaacaacag aaattccatt tttcagcttc    660
ccataggcag gacctggtgg aacaccaagg tctttaagtt tctgtgcatt gagtttacct    720
gggcgtttct tttccacgac tgaaaaccca aatgagggaa ttctgcttta agttggcttt    780
tcataagctg tgtctgtgtt ccctcccac agtcaaagag ccagcactcg ccttcacacc    840
gaaggaccac agcagaggca ccccggttg gagatgggta tgctgcaccc gtcccagga    900
atgtcacatc catagacatc ttccaccct ctccccgagg cccgcgccag gagccgaggg    960
aggcgagggc ccgcaccctg gccagct

```

<210> 5005

<211> 782

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)...(423)

<223> similar to gi5706448 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5005

```

cccacgcgtc cggaccttgg tgatttaagg cggcaggtta aactcttaga agagaagaat    60
accatgtata tgcagaatac tgtcagtcta gaggaagagt taagaaaggc caacgcagcg    120
cgaagtcaac ttgaaacctc caagagacag gtagtagaac tacaaaacag attatccgaa    180
gaatcaaaga aagcagataa actagatatt gaataaagc ggctaaaaga aaaagttgac    240
agtcttcaaa aagaaaaggc caggctgaga acagaaaggg attctctgaa ggaaaccatt    300
gaagagcttc gttgtgtaca agctcaagaa gggcagctca caacacaagg gttaatgcct    360
cttggagtc aggagtcttc agacagtcta gctgcagaga ttgttacacc tgaaatcagg    420
taaggagatt gtggtgttca cacttacact gcacagtatt cttggagaaa acgtacttct    480
ctacaatatg aagaagataa tttccttatt ctttctcacc gacactttca acatgaactc    540
agtgttaaat ttttatgttt tcaacatgtt aaaagctttc ttccactggc ctacggaaaa    600
ttgatttgct cacttcaata agacaatctt tcacacatat aaagccaatt gttatgtcca    660
aagcttgagt atcctcagca gacattaagc aatgaatata ttggcctgt agacaatagt    720
tatgcttagc tataagcatg caaaattatt agttattaag atttatctgc taaccagctg    780

```

<210> 5006
 <211> 574
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(215)
 <223> similar to gi435774 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5006
 caagaaagcg gcttcagctg taaaggacct ggccagaatg tggctgtgac cagggcacac 60
 cctgactccc aaggaggcg gcggcgccct gagcgggggg cccgaggagg ccaggtgttt 120
 tacaacagcg agtatgggga gctgtcggag ccaagcgagg aggaccactg ctccccgtct 180
 gcccgcgta ctttcttcac agacaacagc tactaagcag catcggacaa gacccccagc 240
 acttgggggt tcaggccccg cagggcgggc agagggctgg aggcccaggc tgggaactca 300
 tctggttgaa ctctggtggc acaggagtgt cctcttccct ctctgcagac ttcccagcta 360
 ggaagagcag gactccaggc ccaaggctcc cggaattccg tcaccacgac tggccagggc 420
 cacgctccag ctgccccggc ccctccccct gagattcaga tagaatgtga cctctaggca 480
 tgatttgcta ggggtgggag cagcatcttt ctgtcaccat tgtgtgaaca gcagggtcag 540
 atgttcctag tgatatcacg ggaagccttg tttc 574

<210> 5007
 <211> 1179
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1180)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (3)...(387)
 <223> similar to gi4586838 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5007
 acgtaattgt gcatgcgcgg cccatccgca cgcgggctag caagtactac atccccgagg 60

09493736.04400

```

ccgtgtacgg cctgcccgcc tatccggcct acgcggggcgg cgggtggcttt gtgctttccg 120
gggccacgct gcaccgcctg gctggcgctt gtgcgcaggt cgagctcttc cccatcgacg 180
acgtctttct gggcatgtgt ctgcagcgcc tgcggctcac gcccgagcct caccctgcct 240
tccgcacctt tggcatcccc cagccttcag ccgcgcgcga tttgagcacc ttcgacccct 300
gctttttaccg tgagctgggt gtagtgacg ggctctcggc cgctgacatc tggcttatgt 360
ggcgccctgct gcacggggcgg catggggcag cctgtgcgca tccacagcct gtcgctgcag 420
gccccttcca atgggactcc tagctcccca ctacagcccc aagctcctaa ctgagacca 480
gaatggagcc ggtttcccag attattgccg tgtatgtggt tcttccctga tcaccagggtg 540
cctgtctcca caggatccca ggggatgggg gttaagcttg gctcctggcg gtccaccctg 600
ctggaaccag ttgaaacccg tgtaatggtg accctttgag cgagccaagg ctgggtggta 660
gatgaccatc tcttgtccaa caggtcccag agcagtggat atgtctggtc ctccctagtag 720
cacagagggtg tgttctgggt tgggtggcagg gacttaggga atcctaccac tctgctggat 780
ttggaacccc ctaggctgac gcggacgtat gcagaggctc tcaaggccag gcccacagg 840
gaggtggagg ggctccggcc gccacagcct gaattcatga acctggcagg cactttgcca 900
tagctcatct gaaaacagat attatgcttc ccacaacctc tcctggggcc aggtgtggct 960
gagcaccagg gatggagcca cacataaggg acaaatgagt gcacggctct acctagtctt 1020
ttcctcacct tcctgaactt cagacaacna ttggccantc tcccactgga aggctgtatc 1080
ccctcaagan ggagccaagg aatgtttttc ccctggagat gccacactaa ttaattttcc 1140
ccatatgggt taancaaccc cttgggtgaa aaaanccaa 1179

```

```

<210> 5008
<211> 2872
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2873)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (38)...(1809)
<223> similar to gi3881530 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5008
tttcgtgcct cgggtgacac ccagatctct ctctctccag ggccccaaag gtgagagcgt 60
gggctccatc acacagcccc tgcccagcag ctacctgac ttcaggggccg cctccgagtc 120
agatggctgc tgctggctgg acgccctgga gctggccctg cgctgctcta gctactgag 180
actgggcacc tgcaagccgg gccgagacgg ggagccaggg acctcgccag acgcatcacc 240
ctcatcgctc tgtgggctgc cagcctcagc caccgtccac ccagaccaag acctgttccc 300
actgaacggg tcttccctgg agaacgatgc attctcagac aagtcggaga gagagaacc 360
tgaggagtca gataccgaga cccaggacca tagccggaag acggagagtg gcagcgacca 420
gtcagagacc cctggggccc cgggtgcggag agggaccacc tatgtggagc aggtccagga 480
ggagctgggg gagctgggag aggcgtccca ggtggagaca gtgtcagagg agaacaagag 540
tctgatgtgg accctgctga agcagctacg gccaggcatg gacctgtccc gcgtgggtgct 600
accacgttc gtactggagc cgcgctcctt cctgaacaag ctctccgact actactacca 660
cgcagacctg ctctccaggg ctgcgggtgga ggaggatgcc tacagccgca tgaagctggt 720
gctgcggtgg tacctgtctg gcttctacaa gaagcccaag ggaatcaaga agccgtacaa 780

```

09488722.012100

```
ccccatcctg ggggagacct tccgtgctg ctggttccac ccgcagactg acagccgcac 840
attctacata gcagagcagg tgtcccacca cccgcccgtg tctgccttcc acgtcagcaa 900
ccggaaggac ggcttctgca tcagtggcag catcacagcc aagtccaggt tttatgggaa 960
ctcgctgtcg gcgctgctgg acggcaaagc cacgctcacc ttcctgaacc gagccgagga 1020
ttacaccctt accatgccct acgcccactg caaaggaatc ctgtatggca cgatgaccct 1080
ggagctgggt gggaaaggtca ccatcgagtg tgcgaagaac aacttccagg cccagctgga 1140
attcaaaactc aagcccttct tcgggggtag caccagcatc aaccagatct cgggaaagat 1200
cacgtcggga gaggaagtcc tggcgagcct cagtggccac tgggacaggg acgtgtttat 1260
caaggaggaa gggagcggaa gcagtgcgt tttctggacc ccgagcgggg aggtccgcag 1320
acagaggctg aggcagcaca cggtgccgt ggaggagcag acggagctgg agtccgagag 1380
gctctggcag cacgtcacca gggccatcag caaggcgac cagcacaggg ccacacagga 1440
gaagtttgca ctggaggagg cacagcggca gcgggccgt gagcggcagg agagcctcat 1500
gccctggaag ccgcagctgt tccacctgga cccatcacc caggagtggc actaccgata 1560
cgaggaccac agcccctggg accccctgaa ggacatcgcc cagtgtgagc aagacgggat 1620
cctgcggacc ttgcagcagg aggccgtggc ccgccagacc accttctgg gcagccagg 1680
gccaggcac gagaggtctg gccagacca gcggcttcgc aaggccagcg accagccctc 1740
cggccacagc caggccacgg agagcagcgg atccacgcct gagtcttgc cagagctctc 1800
agacgaggag caggatggtg actttgtccc tggcggtgag agcccatgcc ctcggtgcag 1860
gaaggaggcg cggcggtgc aggccctgca cgaggccatc ctctccatcc gagaggccca 1920
gcaggagctg cacaggcacc tctcgccat gctgagctcc acggcacggg cagcacaggc 1980
accgaccca ggctcctgc agagcccccg atcctggttc ctgctctgcg tgttcctggc 2040
gtgtcagctg ttcattaacc acatcctcaa ataggagccc tgggggnaga gctcctggcc 2100
tgtgggggccc ctggacagtc acaccccagc agcagtgagt gggcaggttt ggaggagcag 2160
ccaggggagcc ccgagtggcc caggagtccc cccacacaca gatgcatagg cctgccttcc 2220
ggagaccctg tccacattgc cgggaccacc ctggtggggc cactggtggg tgccagggac 2280
aggttagggc cactctgggg aaggcatttt gggtttttat tccacgctgt gctgtttgga 2340
tgggagcccc acagaggcag gtccctggaac caccacccc ccacacctgg acgtcgcctc 2400
tggtgggggc acacgcaggt ggaggtggtt gtgggtgcag gtgtgtgcag ggggtgtggg 2460
ggcgaggggg tgtggcttag ctggccccgc acccaggccg gggaggctca agttcgccac 2520
tttactcaga ccgatgcaca gtcttcccat tttaacttt tttaataaac ataattgcaa 2580
tattttaggt gggctgcgag ctgcagtcag ccttcacgtc tggcctcagt ccccggtgca 2640
gtgccgctct gcgtgtgcgt gtgcacgtgt tgagcctct acacatatat atacgtacag 2700
agccttaaac cacatcgctg cggtgccgtc tgagctgtag cgggtggctt tgtttccagt 2760
ttttgtaccc gtgtccttgt ctccccctct ccccatctg gggatgtgtc tgtgttccac 2820
accttgaat aaacagacac atacgtgttc tcttcttgcg ggaaaaaaa aa 2872
```

<210> 5009

<211> 1731

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (62)...(419)

<223> similar to gi3986746 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5009

```
ggatttcgtg ccaagcttca ggaggccaag cggcaacacc agtcagactg tgtggctttt 60
gagggctgct accctggaaa aggaagtggc cgggttgctg gagaagatcc accacttgga 120
```

tgacatgctc	aagagccagc	agcggaaaagt	ccggcaaatg	atagagcagc	tccagaattc	180
aaaagctgtg	atccagtcaa	aggacgccac	catccaggag	ctcaaggaga	aaatcgcccta	240
tctggaggca	gagaatttag	agatgcatga	ccggatggaa	cacctgatag	aaaaacaaat	300
cagtcattggc	aacttcagca	cccaggccccg	ggccaagaca	gagaaccccg	gcagtatttag	360
gatatccaag	ccgcctagcc	cgaagcccat	gcctgtcatc	cgagtgggtg	aaacctgagc	420
tgcttgaggga	tgggtgctgc	cattgctgct	gcctctgcct	cggagaagcc	cactgcccct	480
gttggtgtgt	aacctgcct	ttgacttcct	gactgtcccc	tggctgcacc	caggacttcg	540
ggctcctgtg	tctcaccatt	cccaagcccc	tggccactct	aagctgggca	gacggagcac	600
gagcacctat	tcaaggcact	gcagcccctt	ggaagacatt	gtcctgcaag	caggagccag	660
ggcaatatct	atattcctac	agtgactatt	ttttttttgt	agagagcctc	ccttctgttg	720
tagactggac	tctggctgcg	ccataagcca	ggccttcac	agattgggag	aggtgacaag	780
atttgccctca	gccataaaaag	ctggagacac	agatgtccag	agtgattgga	gaatgtcctg	840
ggggaatgaa	gttcctttcca	caaacacagc	tcagttctta	gcaacaaact	gtttgttttt	900
ctacttgctc	catctgcagc	ctacgctgcc	ctggcctcct	gcagacagat	agtgggggta	960
cctggcaagg	cctgggtgaga	gccagtgaac	ctaaactttg	actgggtggc	ctcgtctttc	1020
tggggaggag	ggaatgtaca	ttcagggagt	agccttttgc	ggaaaaattc	tctagggcta	1080
cagacagtca	tgtgtgactt	ctctctgctg	tgaaaaactcc	cagagtctct	ttagggattt	1140
tccctaaggt	gtaccaccag	gcacacctca	gtcttcttga	cccagagcct	gaaaactgtt	1200
ttcactgggt	tccaccagtc	ccagcaaaaat	cctcttttga	tttattttgc	taagttattg	1260
gtggttttgc	ttacatctca	tgattgatata	aataccaaag	ttctatagcc	ttctcttgca	1320
gtattttggat	ttgcttgaaa	ccgggaaaaac	tggtcccatt	aggcttggtta	atgtcagagt	1380
gacactatta	tgaatctttc	tctccctttc	ctctgcctgt	ttcttctctc	tttctccttc	1440
aaacttgctc	tgcagctaag	gaagggtgagt	ctactttccc	tgaggctttg	gggtcagagt	1500
atatgttggt	tggagaaaaga	gggcaatcag	gactcttctg	ggacccagat	gagttcttca	1560
ctagcccttc	tgaacccctt	gtcccataat	tggtctttta	tcctggctct	gaatgaccct	1620
gcagggtcatc	atggttttct	ttttttattg	gttttttttt	tttctgaaac	aaagtctcat	1680
tctgcaaccc	aggctggagg	gcagggggcgc	gatctcagct	cactgcaacc	t	1731

<210> 5010

<211> 1128

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1091)...(779)

<223> similar to gi726373 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5010

agggtggggcc	tagtgggagg	tgactggatc	atgggggtgc	atttctcatg	aatggtttaa	60
cagcattcca	cttggtactg	tcctcttgag	tggtcttggt	agatctgggt	gtttaaaaca	120
tgtgtggcac	ctcctcctgc	gcccccttgc	tcctactctg	gccacataag	atgtgtctgc	180
ttcccccttg	cctttccact	atgattgtaa	gtttcctgag	gcctccccag	aagcagaagc	240
tactatgctt	cctgtatagc	ctgcagaact	gtgagccaat	taaacctctt	ttctttataa	300
attaaattac	ccagtctcag	gtatttcttt	acagcaattc	gagaatggat	taatacaatt	360
gccaaatttc	cttttctttt	tttaaaaaat	aaaagccaaa	ataacacttt	taagatccca	420
ggtttttagac	aaggcagctg	tagtctctcc	atcatcctca	ctgtccattt	gcttcttcct	480
gggacagaca	ctgtggccca	gtgaagctga	ggggaccctg	ggattcaaag	ctgggtggaat	540
ggaccctccc	tccccccaca	agctgtaata	acctgctgga	atccccacaca	acctgagggc	600


```

ttcacttgtc aacagctccc ttcctcaga ggctattttg aggcaggcat tccgtgtttt 660
atgactgagc taccagagg aatggtttga ggccacactc aactgttcca aggagcagca 720
ctggaccaaa ggctgcttgg ttcctgctgg ttcctgatgc cacccttct cttcaggggtg 780
gttacctggc agaagggcgtc caatgcatcc tccagtgtcc caccaggggtt tccgctgaag 840
gagccggcgg ggatgtagta catgggcacc agcagcaggg agaggatcac aaagccaaag 900
aggccctcag tgccaactgc ccgcagtggg tgcacattgt gttttagtag gaacttctcc 960
tctagcacca tctggatggc aacgatgatc tgggccatga tgatcaacag gtcccctgtg 1020
atcacttcgc tgagcttgtg ctgactgtcg tgcttgctca ggaggtcagc caggccacg 1080
accaccagct ccgcaaggcc ttcgatgaat tcctcacgcg gtcaatcc 1128

```

```

<210> 5011
<211> 2377
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2378)...(808)
<223> similar to gi4240149 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5011
tttttttttt ttcccccgga gaggactgta ttataccatt caagggggcca aaaaaaaaaa 60
gaaaagaaaa ctttgccctt caattcaaac tctgttatgc cacatttggc ataaatgct 120
taccattacc taaaaatgat tttttaaaaa atgcttatca ttacctaaa gaaaaatgta 180
gcaaaattca actttggagg aaaatgaaaa ctgtacatat ccttgagaac caccgaaagc 240
taagagatat agaaaattgt acattcccac aaagtatttt caacaaagag gcattatctg 300
cattccacca aggtcagtcg agttgaggag aaagagaagc aaatgccaa aaattggctg 360
catatTTTTT ttttaattctg ttttgccctt aatcacaaag agcaatggga agaacaagct 420
ccctttctcc ttttctcaga cacccttggg cttaaagttgt tctttttcta gttcttccct 480
ccctgtaat ttttaattat cagaaataaa taccagtgc tttcaggtgg tcgtctgtgt 540
tagagtgcac aactgaagtt attagtggct tgggagtttg cacatataac tggagggtaaa 600
cagcagatta ctacacctaa tctcacctcg agcatttctc ctctgtcaag tctaaattct 660
gccatcttct tttgcaaaaa caagcagaca tccccacca aggccaaaat ataataata 720
ctgacagtga acagaaaccc attgtaaaga caaactattc cagctttcaa attcactgtg 780
actggatact attagttttt tgagtttata actccccaga attgtcaaaa gtaaccttgt 840
agccaatccg cttgcagaca ctaaaaacca cctgaaatag gccaccacag gtacaaaaag 900
cagtgtcaaa gagcagtga acagtgccac caaggcccag tgcaatgtcc ttgcaaaaa 960
ttggaatagc gcccatgggtg tacacaggga aagtggccac atccacaagg acacggacag 1020
ggatgctcag aactcggcaa atggccttca gcagacaaca aaggatccgg aggagagccc 1080
tgatgacttt ggccacgacc ttgagcacct ccagggaat gctcaccaac tcttcccaa 1140
tggccatgaa gtatgagatg gtggctgagc ccaggcggtg aaggcaact tctatgcat 1200
taatcacctg cttggtaaca caccacagga aatagacaat gttcttcagg attgtacca 1260
caaggtaata aattaattga aaaagcttga tgaatggggg agcaatgaag cccatgagtt 1320
ttcccaaaaa gctactactt ccctcagatg cctctggagg caacagagta gacctcttgc 1380
tcttggtgct agaaagggga ctagaactct tttgagattg taccattcgt tcttcatcct 1440
ggatttgggt aaccacttcc aggatttttt tcattttctc tgtgtcttgc tcagtttcac 1500
cacagttggt ctgaaacagc tgagggttaa atggaagcag tttctgaaga tcttttacca 1560
tcacatcttc tatgatgtca ctgtcccggg tgtgcttgac aaagcccatg gccagcctc 1620
ctccagggac agcacaacag gctgccagcc aaacaaactc agggactgcc actttgtctt 1680

```

taactctgta	gtctgagggc	actgtgcctg	tgaggatata	taggtcttcc	ccactgccac	1740
actgtggggg	caaagcccgg	tccattaggc	tgtggagatt	cacataccac	cgttcctgga	1800
aggactgagt	cattggggct	gaatttgtga	gagtaaagt	ggccacctgg	acatcactgc	1860
taagggagaa	tgggtaaagc	tgtcctcttt	ggtaatcaga	atcaaggtaa	tctgtattca	1920
aggcttgctt	gcttcccagg	ctgttcacag	aggtgatggc	ctctgcctca	ttaatcgctt	1980
cctcaagggt	gctgttgggg	tcacgcgatc	gcggctccac	cagccatcgc	tgctcggcgc	2040
cgccggggcg	agggcgcggg	gcgcggaacg	cggagtacac	ggggatgcgg	tcccgggtgc	2100
tgtagagggg	ggcgaagcgc	tcagcaccct	ccgcgcgctg	acagatcttc	acgtgggaat	2160
cgcccgccag	ccccgcaggc	ggggctcccgg	cgtagaagaa	cttgtcacat	tcgccaaagc	2220
cggttcctc	ctcgcccacg	agccggcctt	ccagcagccc	agccaggggc	aagaggctgc	2280
ccagcgcgag	ccagcgcgcg	gtgcccatgg	cggcctctgc	gagcgcgggc	gggccgagcg	2340
gctgggctgc	cgcggcgcga	gctctgcagg	ctgggctg			2377

<210> 5012

<211> 5122

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(3744)

<223> similar to gil89036 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5012

ccaggagttt	cggcagagat	atgagatcct	gactccaaac	tccattccca	agggtttcat	60
ggacgggaag	caggcgtagc	tgctcatgat	aaaagccctg	gagctcgaca	gcaatctgta	120
ccgcattggc	cagagcaaag	tcttcttccg	tgccggtgtg	ctggcccacc	tggaggagga	180
gcgagacctg	aagatcaccg	acgtcatcat	agggttccag	gcctgctgca	ggggctacct	240
ggccaggaaa	gcatttgcca	agcggcagca	gcagcttacc	gccatgaagg	tcctccagcg	300
gaactgcgct	gcctacctga	agctgcggaa	ctggcagtgg	tggcggctct	tcaccaaggt	360
caagccgctg	ctgcagggtg	gccggcagga	ggaggagatg	atggccaagg	aggaggagct	420
ggtgaaggct	agagagaagc	agctggctgc	ggagaacagg	ctcatggaga	tggagacgct	480
gcagtctcag	ctcatggcag	agaaattgca	gctgcaggag	cagctccagg	cagaaaccga	540
gctgtgtgcc	gaggctgagg	agctccgggc	ccgcctgacc	gccaagaagc	aggaattaga	600
agagatctgc	catgacctag	aggccagggt	ggaggaggag	gaggagcgct	accagcacct	660
gcaggcgag	aagaagaaga	tgacgcagaa	catccaggag	cttgaggagc	agctggagga	720
ggaggagagc	gcccggcaga	agctgcagct	ggagaagggt	accaccgagg	cgaagctgaa	780
aaagctggag	gaggagcaga	tcacccctga	ggaccagaac	tgcaagctgg	ccaaggaaaa	840
gaaactgctg	gaagacagaa	tagctgagtt	caccaccaac	ctcacagaag	aggaggagaa	900
atctaagagc	ctcgccaagc	tcaagaacaa	gcatgaggca	atgatcactg	acttggaaga	960
gcgcctccgc	agggaggaga	agcagcgaca	ggagctggag	aagaccggcc	ggaagctgga	1020
gggagactcc	acagacctca	gcgaccagat	cgccgagctc	caggcccaga	tcgcggagct	1080
caagatgcag	ctggccaaga	aagaggagga	gctccaggcc	gccctggcca	gagtgggaaga	1140
ggaagctgcc	cagaagaaca	tggccctcaa	gaagatccgg	gagctggaat	ctcagatctc	1200
tgaactccag	gaagacctgg	agtctgagcg	tgcttccagg	aataaagctg	agaagcagaa	1260
acgggacctt	ggggaagagc	tagaggcgct	gaaaacagag	ttggaggaca	cgctggattc	1320
cacagctgcc	cagcaggagc	tcagggtcaa	acgtgagcag	gaggtgaaca	tcctgaagaa	1380
gaccctggag	gaggaggcca	agacccacga	ggccagatc	caggagatga	ggcagaagca	1440
ctcacaggcc	gtggaggagc	tggcggagca	gctggagcag	acgaagcggg	tgaaagcaaa	1500

cctcgagaag	gcaaagcaga	ctctggagaa	cgagcggggg	gagctggcca	acgaggtgaa	1560
ggtgctgctg	cagggcgga	gggactcgga	gcacaagcgc	aagaaagtgg	aggcgagct	1620
gcaggagctg	caggtcaagt	tcaacgaggg	agagcgggtg	cgacagagc	tggccgacaa	1680
ggtcaccaag	ctgcaggtgg	agctggacaa	cgtagccggg	cttctcagcc	agtccgacag	1740
caagtccagc	aagctcacca	aggacttctc	cgcgctggag	tcccagctgc	aggacactca	1800
ggagctgctg	caggaggaga	accggcagaa	gctgagcctg	agcaccaagc	tcaagcaggt	1860
ggaggacgag	aagaattcct	tccgggagca	gctggaggag	gaggaggagg	aggccaagca	1920
caacctggag	aagcagatcg	ccacctcca	tgcccagggtg	gccgacatga	aaaagaagat	1980
ggaggacagt	gtgggtgccc	tggaaactgc	tgaggagggtg	aagaggaagc	tccagaagga	2040
cctggagggc	ctgagccagc	ggcacgagga	gaaggtggcc	gcctacgaca	agctggagaa	2100
gaccaagacg	cggctgcagc	aggagctgga	cgacctgctg	gtggacctgg	accaccagcg	2160
ccagagcgcg	tgcaacctgg	agaagaagca	gaagaagttt	gaccagctcc	tggcggagga	2220
gaagaccatc	tctgccaagt	atgcagagga	gcgcgaccgg	gctgaggcgg	aggcccagaa	2280
gaaggagacc	aaggctctgt	cgctggcccg	ggcctggag	gaagccatgg	agcagaaggc	2340
ggagctggag	cggctcaaca	agcagttccg	cacggagatg	gaggacctta	tgagctccaa	2400
ggatgatgtg	ggcaagagt	tccacgagct	ggagaagctc	aagcgggccc	tagagcagca	2460
ggtggaggag	atgaagacgc	agctggaaga	gctggaggac	gagctgcagg	ccaccgaaga	2520
tgccaagctg	cgtttggagg	tcaacctgca	ggccatgaag	gcccagttcg	agcgggacct	2580
gcagggccgg	gacgagcaga	gcgaggagaa	gaagaagcag	ctggtcagac	aggtgcggga	2640
gatggaggca	gagctggagg	acgagaggaa	gcagcgctcg	atggcagtgg	ccgcccggaa	2700
gaagctggag	atggacctga	aggacctgga	ggcgacatc	gactcggcca	acaagaaccg	2760
ggacgaagcc	atcaaacagc	tgcggaagct	gcaggcccag	atgaaggact	gcatgcgcga	2820
gctggatgac	acccgcgcct	ctcgtgagga	gatcctggcc	caggccaaag	agaacgagaa	2880
gaagctgaag	agcatggagg	ccgagatgat	ccagttgcag	gaggaaactg	cagccgcgga	2940
gcgtgccaa	cgccaggccc	agcaggagcg	ggatgagctg	gctgacgaga	tcgccaacag	3000
cagcggcaaa	ggagccctgg	cgttagagga	gaagcggcgt	ctggaggccc	gcatcgccca	3060
gctggaggag	gagctggagg	aggagcaggg	caacacggag	ctgatcaacg	accggctgaa	3120
gaaggccaac	ctgcagatcg	accagatcaa	caccgacctg	aacctggagc	gcagccacgc	3180
ccagaagaac	gagaatgctc	ggcagcagct	ggaacgccag	aacaaggagc	ttaaggtaaa	3240
gctgcaggag	atggaggggca	ctgtcaagtc	caagtacaag	gcctccatca	ccgcccctga	3300
ggccaagatt	gcacagctgg	aggagcagct	ggacaacgag	accaaggagc	gccaggcagc	3360
ctgcaaaacg	gtgcgtcgga	ccgagaagaa	gctgaaggat	gtgctgtctg	aggtggatga	3420
cgagcggagg	aacgcccagc	agtacaagga	caaggccgac	aaggcatcta	cccgcctgaa	3480
gcagctcaag	cggcagctgg	aggaggccga	agaggaggcc	cagcgggcca	acgcctccc	3540
ccggaaaactg	cagcgcgagc	tggaggacgc	cactgagacg	gccgatgcca	tgaaccgcga	3600
agtcagctcc	ctaaagaaca	agctcaggcg	cggggacctg	ccgtttgtcg	tgccccgcgg	3660
aatggcccgg	aaaggcgccg	gggatggctc	cgacgaagag	gtagatggca	aagcggatgg	3720
ggctgaggcc	aaacctgccg	aataagcctc	ttctcctgca	gcctgagatg	gatggacaga	3780
cagacaccac	agcctcccct	tcccagaccc	cgcagcacgc	ctctccccac	cttcttgagg	3840
ctgctgtgaa	catgcctcct	cctgcctcct	gccccgtccc	cccatcccgt	ttccctccag	3900
gtgttggtga	gggcatttgg	cttcctctgc	tgcattcccct	tccagctccc	tcccctgctc	3960
agaatctgat	accaaagaga	cagggcccgg	gccaggcaga	gagcgaccag	caggctcctc	4020
agccctctct	tgccaaaaag	cacaagatgt	tgaggcgagc	agggcaggcc	cccggggagg	4080
gcagagtttt	ctatgaatct	atttttcttc	agactgaggc	cttttggtag	tcggagctcc	4140
cccagtcgtc	agcctcccct	acgtctgcca	ccagcgcccc	ccactcctcc	tcctttcttt	4200
gctgtttgca	atcacacgtg	gtgacctcac	acacctctgc	cccttggggc	tcccactcca	4260
tggctctggg	cggtcagaag	gagcaggcct	gggctccacc	tctgtgcagg	gcacagaagg	4320
ctgggggtggg	gggaggagt	gattcctcct	acctgtccca	gcagcgccac	tgtcgtgtc	4380
tcctctgatt	ctaaaatgtc	tcaagtgcac	tgccccctcc	cctcctttac	cgaggacagc	4440
ctgcctctgc	cacagcaagg	ctgtcggggg	taagctggaa	aggccagcag	ccttcagtg	4500
gcttctcccc	aacactcttg	gggaccaa	atacttaatg	gttaagggac	ttgtcccaag	4560
tctgacagcc	agagcgttag	agggggccagc	ggctccccag	gcgatcttgt	gtctactcta	4620
ggactggggc	cgagggtgg	ttacctgcac	cgttgactca	gtatagttta	aaaatctgcc	4680
acctgcacag	gtatTTTTga	aagcaaaata	aggttttctt	ttttccccct	tcttgtaata	4740
aatgataaaa	ttccgagtct	ttctcactgc	ctttgttttag	aagagagtac	tcgtcctcac	4800
tggctacac	tggttgccga	atttacttgt	attcctaact	gttttgata	tgctgcattg	4860
agacttacgg	gcaagaagg	catttttttt	ttttaaagga	aacaaactct	caaatacatga	4920

```

agtgatataa aagctgcata tgcctacaaa gctctgaatt cagggtcccag ttgctgtcac 4980
aaaggagtga gtgaaaacac ccaccctacc ccctttttta tataataaaa gtgccttagc 5040
atgtgttgca gctgtcacca ctacagtaag ctgggtttaca gatgttttcc actgagcatc 5100
acaataaaga gaaccatgtg ct 5122

```

<210> 5013

<211> 866

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (867)...(574)

<223> similar to gi4455118 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5013

```

ccgatggaga tagccatttt aaaagttttc gatcccccttc tttaaaggcg aaatgttttt 60
cagcccagat aaagccattt taaaagtttt cgggtccccctt ctttaaagat gaaaagtata 120
tcctactttt tgttaaattg atatttcctt tcaatgataa cgttcaaaat ttccctgggt 180
tttttccctt ttctgagagt taagccattt gaattacctt tattctaacc acaaaatttt 240
ttttgtaggg tttttttttt tgggtttttt ttgtcttttt ttttgcgttt aaaacatttg 300
ggctattccc tgacgatcta tacatgtaaa ttgattgct aaacattgtc actttgaatg 360
tcaaactatt tttaatctat tgattttgat taaaaatcat aatacaaaca gagctaaaat 420
cacgctaaca aaataaacta aatatgaaaa gttgcattga aagggcatca cattattctt 480
aataggatcg tgtagaaaca ttccaatggc agtgttctca aaataaaaca aaattacatt 540
agaagacctc cagcctggcc acttttggga ccttacctgt aactctggct ggtgggtgtc 600
tttactcttg tactacatgg ctcaactaca tcagacatca tatttgtata ccctgagaaa 660
tctgacactg aagtccttac tctatggtcc acttctccat tagagttagt gataaaggtc 720
attggcacc cgtctgcccg cttaaactga gaaccaaacy cttgtgcaaa gttctcaatc 780
tgatacgttg ttctaggctc tatgtctttc tgaggatcta tctggctagc taactcctga 840
gatggaatct gaaagcctgt tgaaga 866

```

<210> 5014

<211> 5024

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (125)...(790)

<223> similar to gi4980899 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5014

agtgtggtgg	aattcgcaag	tattatgcta	accagtat	tcttaatttt	agttttctca	60
taagattcac	cttgaaacta	tgtgtgaagt	aaagaaaatc	taccttcagg	atgagtttag	120
aattttgaag	aaaaagtcct	tcacttttcc	aagagaccat	aagtcagtta	cagctgatac	180
agagatgtgg	cctgtctatg	tggaattgac	caatgaaaag	atatatggct	gcgatttcat	240
tgtcagtgtc	acaggagtta	caccaaagt	agaacctttt	ctccatggta	acagttttga	300
tctaggagaa	gatggtggcc	tgaaaagtga	tgatcatatg	cacacatccc	ttcctgatat	360
ctatgctgcc	ggtgacatct	gtactacatc	ctggcagctg	agcccagctc	ggcagcagat	420
gaggctgtgg	acccaggcta	gacagatggg	atggtatgca	gcaaagtgca	tggctgcagc	480
gagttcagga	gactctattg	acatggattt	cagctttgaa	ctgtttgctc	atgtgacaaa	540
attttttaac	tataaggttg	tactgctggg	aaaatacaat	gcacagggct	taggttcaga	600
tcatgaatta	atgctgagat	gtaccaaagg	acgagaatac	atcaaagtcg	tcatgcaaaa	660
tggacgaatg	atgggagctg	tcttaattgg	tgaaaccgat	ttagaagaaa	catttgaaaa	720
cctaattctta	aaccaaaatga	atctttcatc	atatggagaa	gatctgctag	atccaaatat	780
tgatatagaa	gattattttg	actaaaaatg	gaatttcttc	aggaatcata	taaagttcca	840
aatgacacca	gaaaaatcac	aagtcaataa	aatgaatgac	tgtattgagt	taatgatgac	900
cacactgaaa	attacagaag	tgataatgat	atgtgtggaa	aaatataaaa	acataaattc	960
taagtttgaa	atcagttcaa	agttttattt	tagatatatc	tttccaacac	aacactgacc	1020
gcttagataa	aaatcttaag	ttatttattt	ctgtgtttta	aacataaata	tgtttacttg	1080
tgatttagct	ttggagcaaa	tttaggtaag	ttatctactt	agccaaatgt	actctagtag	1140
actagaacca	ttctttgtga	aatgtcaaaa	tatggctatg	gtttcaggaa	ctttaaaatc	1200
ggttgtat	tactttaaat	agagatgtag	caatatctcg	tttgctaata	tttatattga	1260
tgacttactc	cttttttggt	gaattgtact	tctggtttta	taacctgaaa	tcattttaca	1320
gcttgtccaa	ctctagccca	cgggtcctaat	gcagcccaga	acagctttga	atgcagccca	1380
acacaaatct	gtaaactttc	ttaaaacatg	agatttttct	tgcaattttt	ttttttttta	1440
gctcatcagc	tatcgtcagt	gtagcatat	tttatgtgcg	gcccaagaca	attcttcttc	1500
caatgtggct	cagggaagcc	aaaagattgg	acatccctga	tctacatatt	taacttaaag	1560
tatcactcag	ggaacctctg	tcagtataat	attgctttca	aaaagatggt	tatgtcaaaa	1620
gaaaaaatat	agctaagtat	ataaaggcat	aaaaaactta	agacaattac	atgaacttat	1680
tctcaaatat	tttacatttt	ttgtaaactt	tcttaaaaca	tgagattttt	cttgcaattt	1740
tttttttttt	ttttaagctc	atcagctatc	gtcagtgtta	gcatatttta	tgtgcggccc	1800
aagacaattc	ttcttccaat	gtggctcagg	gaagccaaaa	gattggacat	ccctgatcta	1860
catattttaac	ttaaagtatc	actcagtga	cctctgtcag	tataaatattg	ctttcaaaaa	1920
gatggttatg	tcaaaagaaa	aaatatagct	aagtatataa	aggcataaaa	aacttaagac	1980
aattacatga	acttattctc	aaatatttta	cattttttgt	aaactttctt	aaaacatgag	2040
atttttcttg	caattttttt	tttaagctca	tcagctatca	tcagtgttag	catattttat	2100
gtgcggccca	agacaattct	tcttccaatg	tggtcagggg	aagccaaaag	attggacatc	2160
cttgatctac	atatttaact	taaagtatca	ctcagtgagc	ctctgtcagt	ataatattgc	2220
tttcaaaaag	atagttatgt	caaaagaaaa	aatatagcta	agtatataaa	ggcataaaaa	2280
acttaagacg	attgtatgaa	cttattctca	aatattttac	atttaaaggg	ttttacataa	2340
aaatttttcc	cttgttttat	actggaaaat	tatataattc	atgatctcta	attttcaaac	2400
attctcaaaa	gttttagatct	tcagagataa	gctctgaaaa	tatagatcca	tacatataaa	2460
atatctatga	aattctttta	aaaactattg	tctaactaca	aaaataatgg	catatacatg	2520
cataaaccat	ctttaattag	aaaatttagt	aacattcata	tcaggcatca	tcgattgttc	2580
ttttcttagc	tcctgtattc	ttagaaccag	attgctgaag	catgtttgca	gccttcttct	2640
ggaagtggcc	tgaatttttt	ttcctccatt	ctttttatca	ccttgttcag	aatgacaagt	2700
ttgagacgat	tcagccctga	aagagtctct	cgtggacttt	gtcacttgca	tagtaatagc	2760
atgtgcctca	tgttccagaa	gattagcttt	aggtcctatt	ttcaaatacg	aaatggcagc	2820
ataagctgta	aaactgtagt	cttcttttaag	atactgctgt	attagaaagt	gtgcaataat	2880
cttctccaga	tcttcacgag	gaagtgtggg	agccacaaca	cctgctactc	tcagttttgc	2940
tgcacccctt	cccatccaag	aatcaatcag	tttcaatgga	gtgagttttt	cattcagttc	3000
ctctgcctgc	ttcaggatct	tgattagatc	tctgcagtac	tctgttatgt	tcgttctttc	3060
aaatgcactg	tctttacagc	agttatcgca	cattttgtta	catgcttctg	agttccatac	3120
ttcatcaaaa	tgttgagcca	tcaacacacg	acgagatttg	cttatgtttt	gacagtatga	3180
taccatctca	taaagcttct	gctgtcccac	attttccatc	accaccattg	aacttattct	3240
gaatatatct	ccaaagccgt	agtacaaaat	acagtctgct	ttcatgtcat	ctcgacctgc	3300

```

acgtccactc tcttggaat aattttccat ggatttactc attgaatgat ggataacaaa 3360
cctcacatct ggcttatcaa ttcccatacc aaatgcaaca gttgccacta ctacctgaat 3420
ttcattggct gaccattttc tatgaactgt ggtcttatct tctggctcca aattggcatg 3480
gtaagcacct gcatgaattc ccagattctg caaactaacc gtaacttggt cagagtcttt 3540
ctgagaaaaa caatatatga ttcctgattg ccctttgtat ctcccattaa tgagctttac 3600
aatatcctca ataaaaatctt cagtgtttga gggcttctgc cgaacctcat aatatagatt 3660
tggcctatta aaagaagctg taaaagtaaa acacttttca atgcacaaaa ttttctgagc 3720
atccgtcaaa acgtgatttg ttgcagttgc agtcagccca attagtgatg cgttaggga 3780
ctgccgcttt aagataccaa gtgccttata atcaggtctg aaatcatgtc cccactgact 3840
acagcagtga acttcatcca cagcaattcg agtaaatctc cttgcttcat aggcctttctc 3900
tagtcttgac ataaacattt tgctttttgc aattttctct ggagtcacat aaatcagctt 3960
taactcggag tttttattta ccatttcac atgaacccat ttaacatgct ccttagaact 4020
agaagcattt aacatggttg ctgaaattcc taattgtttt aaaaccatta attggtcttc 4080
cataagagag atcaatgggc aaatgacgag tgtaaaacca tctgaacata atgctggtaa 4140
ctggtaacat aagctctttc cacctcctgt aggcataaca agaaataacct cctttccagc 4200
cattgttacg ttaatagttt caagctgaag tggctgaac ttttccagtt taaagacatt 4260
ttgcagaata tctttaactt taccagacca tggaaaatct tctttattcc aagcggcagg 4320
tgaagaatca tattcattgc ttgccccggc atcagaatcc tctaaacact gctttatatt 4380
ctttgtcagg actttttttt tctgaataag ctcttggtgc ctttccgtaa gttcttgaat 4440
ttgaatttct actgcatgta gctcactggt tatagaatcc agttcctcag ttagagctga 4500
aacggacgcc attctttttc tttccaaatt gtttctaaaa taatccaaat ttctttaaca 4560
aatggcagct gctaataaac aggctttggt ggccaatcct cctgcatgga aaagaatggg 4620
gagatcagaa gaccggtcag caggcgaacg tgcccctaaa ggcccagatt ctgagagcag 4680
ggcagtgatt aactttccgg tttctcctcc gccaatgtgt gggcgaaaagg aagtgatccg 4740
catcagaccg gcctcgctcg cagcaggaaa gggaaggatg aaagaaaaag cgcacaccct 4800
tgacccttca aagctgtaac agtagttatc ccagagcctg tccccaccga gaagccagct 4860
ctaactctcc ggtgtttgac tgtccggtgt ccgactgtcc tgtgtccgac tctccgatct 4920
ccgactctcg gatctccgac accaaagcac ccaggcctcg agcagatctt ttcgctactc 4980
ctacctatct aaaattttat actaataatc ttataaaaaa aaaa 5024

```

```

<210> 5015
<211> 918
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(919)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (128)...(458)
<223> similar to gil857435 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5015
ctggggcagtg ggtatgagca cggtgccagg tggctcccg cactccctgg ggatccaagt 60
gcgggggtggc tgggggtgtaa ctggggggaga ggaggagagc ctactgtcc ctgtcgctga 120
cacctggcag gcggggagct ttaaggtggc caccaggag aggaaccccc agagagccca 180

```

gatgaggctg	cggaggcaga	agaaggggtg	ggcccccttc	ctgggggatt	ttctgactga	240
gttacagagg	ctggattcgg	ccatcccggg	cgacctggat	ggcaacacca	acaagaggag	300
caaggaggctc	cgagttctgc	aggaaatgca	gctgctccaa	gtggctgcca	tgaattacag	360
gcttcggcct	cttgagaaat	ttgtcaccta	tttcacaaga	atggagcagc	tcagtgcaca	420
agagagctac	aagctgtcct	gccagctgga	gcccgaatac	ccgtaggctg	gcaacatcct	480
gcagtggctg	ggaacccacc	gggatgctgg	ccagaacacc	ggctctgcac	catccctcac	540
ccagaccgta	gacaccaggg	aaccacatct	aggaggctgg	cagctcagct	gcatcttgcc	600
ctggatcctc	atcaccaact	gctcctgctg	gccaggatca	ggccatggga	cttttgtgag	660
tcaggcgagg	gaccatttta	tggtttatct	cttttagtgta	taagtaaggg	ttttttctta	720
actttcggtt	aaataaaatt	ttaaaaaact	attcaaaatg	ttctgtagtt	ggtggaatga	780
gaaaagtaac	tccagtgcgg	taacatata	ccagtcttta	ggattcatag	cctagcatgt	840
caaattgagg	ctatggctga	ccaagttatg	gaatagctgt	cncgtcttac	ggtctctatc	900
anggtctcat	tgagtgctg					918

<210> 5016
 <211> 1625
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)...(215)
 <223> similar to gi2662057 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5016						
ggattatccg	ggtcgaccca	cgcgctccgcc	caaaagagggt	taaccttgat	tttcacacaa	60
atgaagtcac	tacaaacagc	atcactcaac	ctaccctcca	cagttttgat	gctgcacaaa	120
gcagagtgtg	tcagctcatg	gaacaagaca	gttatacag	ttttctgaaa	tctgacatct	180
atttagactt	gatggaagga	agacctcaga	gaccaacaaa	tcttaggaga	cgatcacgct	240
catttacctg	caatgaattc	caagatgtac	aatcagatgt	tgccatttgg	ttataaagaa	300
aattgatttt	gctcattttt	atgacaaaact	tatacatctg	cttctaacat	atcgcatgtt	360
tatgttaaga	tttggtccca	tccttttaaac	tgaaatatgt	catgtgaaat	tatttttaaaa	420
atgtaaaaac	aaaactttct	gctaacaaaa	tacatacagt	atctgccagt	atattctgta	480
aaacctttct	tttgatgtca	ttccatttat	aatcagaaaa	aaaacttatt	tcttaatcaa	540
aaggcagtag	aaaaaaaagta	ataatgtttt	ataagattgt	agagttaagt	aaaagttaag	600
cttttgcaaa	gttgtcaaaa	gttcaaacaa	aagtctagtt	gggatttttt	accaaagcag	660
cataatatgt	gttatataaa	cataataata	ctcagatata	caaatgttca	gatagcattt	720
ttcataatga	atgttctctt	ttttttggta	atagtgtaga	agtgatctgg	ttcttacaat	780
gggagatgaa	gaacatttat	tattgggtta	ctactaacc	tgtcccaaga	atagtaatat	840
cacctctagt	tataagccag	caacaggaac	ttttgtgaag	acacattcat	ctctacagaa	900
cttcagatta	aatataatct	agattaatga	ctgagaataa	gatccacatt	tgaactcatt	960
cctaagtga	catggacgta	cccagttata	caaagtactt	ctgttggtca	cagaaacatg	1020
accagatttt	gcataatctc	aggtagggaa	ctaagtagac	taccttatca	ccggctaaga	1080
aaacttgcta	ctaaactatt	aggccatcaa	tggcttgaat	aaaaaccaga	gaagggtttt	1140
cccaggacgt	ctcatgtttg	gccctttaga	attggggtag	aaatcagaaa	tgagatgagg	1200
ggaagaagca	aggagtctaa	ggccctagcg	atttgggcat	ctgccacatt	ggttcatatt	1260
cagaaagtgt	tatctcattg	attatattct	tgtaagcaa	atctccttaa	gtaattatta	1320
ttcaaataag	attatactca	tacatctata	tgtcactgtt	ttaaagagat	atttaatttt	1380
taatgtgtgt	tacatggtct	gtaaatatct	gtatttaaaa	atgccatgca	ttaggctttg	1440

gaaatttaat	gtagttgaa	atgtaaaatg	ggaaaacttt	agatcatttg	tagtaataaa	1500
tatttttaac	ttcattcata	cagttaagtt	tatctgacaa	taaaagctct	gactgaatgg	1560
tgattatcct	tcctattatg	taataaggaa	taaacatttt	cttcttttag	agtggaaaaa	1620
aaaaa						1625

<210> 5017
 <211> 758
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(315)
 <223> similar to gi507319 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5017	
cggacctgta	60
actgtgataa	120
aaaactccaa	180
cgctgccttc	240
gatggccac	300
cggcaggctc	360
ggcgagaag	420
gttgtttcca	480
tgctcggtcc	540
agattttttt	600
cgcatctcct	660
ctgttgctac	720
gaatataata	758

<210> 5018
 <211> 2409
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2410)...(265)
 <223> similar to gi5739208 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5018

tttggacaat	gaaatccttt	taattgaaaa	gtatatataa	aatggcttta	gacataaaaag	60
ataagtattt	tacattattt	cttctgttat	atTTTTacgc	tttgtgccag	aattttacttc	120
ttgcaactat	tcttgcttta	tctggaacag	tttactccgt	tattgaatat	ctattagtgt	180
ttaatataga	agagcttaat	aaaccgctaa	tccgaaaata	atggatttcc	cttgcttttc	240
agaccttttt	gctgaatatg	cttattttatg	tccaatgtgg	aaatctgatc	ctgttctctt	300
ccactctgcc	agcagttcct	tttgtactgc	ttctggtagt	tcatagaaaa	cttgaggatc	360
aatgtcagaa	gggaaaagtaa	ttttctcatc	aacagaatct	ggctctctat	tttctgtaag	420
tccttcatga	gagtctgttg	ctactgtttg	cttatggcta	tctgtagtgt	ggtttctgga	480
gaaaagtgc	tcactctgca	agtttgaaaa	tgaatgaaaa	gcagacacag	cagggtttga	540
atTTgtaaag	tggaatcctt	gaggttcttt	aggctcctga	cttattcgtt	catcttttaa	600
tctattatct	aaataatatg	aataatcctt	ttggctagac	atgtaagaag	aactactgct	660
attaaagcct	gatgttcccc	gttcacaagg	agatacacag	gatacctgtt	tgctactgga	720
taaatgatct	ctaggattta	tgggaatatc	ttgcatttgt	tttttagaaa	agaaagataa	780
tactcctcta	gaggcatgta	atggacaact	cacacttctt	ttcccttgaa	atTTTTccct	840
agattttcca	gaaaggattt	cttcttgaat	atctactgga	agctgcttga	agacttcttg	900
gtcaacacct	tcaggaagtg	aacagagtgg	gaattcatta	atgtcttttt	ctttagaaaa	960
atTTgtggta	tctagtggag	actccctagt	tcttgtactt	tcaattcttc	cacttggtag	1020
gaaatccccg	tttgtttctt	tgtctttggg	aaaatcttcc	atatgagtgt	ctttcatttt	1080
aaaactgtgc	ttgccagagc	gtgaagtagt	tgataatgat	ggcattaaat	aataatcaat	1140
aagccctttc	ttagcagtat	ttagtgcttt	aaggttgcag	aagcacacac	ttagaagggt	1200
aagggtgaaat	ggcatcttca	cattcaccat	atTTcgaaaa	agtttcataa	gtatatcaac	1260
cattgggggtc	atcacatcat	aatttctctg	ccctaatttc	tgaattacat	gtgaagggaat	1320
agggcactga	cgactctcac	gaccatagt	cttctcagag	gaataccgac	ggattattaa	1380
tctcactgta	tgaggcttcc	tttcatcttg	gcataatctg	tttaaaagac	tagcaagtag	1440
ttcttcaatc	ttattttttag	cttcaacttc	agatgaacat	tttttaaata	aatcttcttc	1500
actaaaggac	tgagggtggc	ctgagagtat	cacaggggag	ttatcctctc	caaaaactgag	1560
cttttgata	cgctgagcaa	ctgaaattcc	taattctttt	tctaaaattt	tgggtgaaaa	1620
ggtttgaga	tcacgcacac	tattgatacc	cagtgttcca	agacatttgg	cagttttata	1680
gccaatacca	ggtatttctt	ttatgtgatt	caaactatga	ataagatgtt	gacaactttc	1740
aggtaataag	actgttttgt	gatttggttt	aaagacacca	gaaactaatt	ttgccaacag	1800
tttattagaa	gccactccag	cacagccagt	gagccccaac	tgattataca	tggcttcccc	1860
catctctgct	gcaatctgag	atccaacaag	tagtctgatg	tgcaagacgt	caagcagggt	1920
tatagactga	ttattgtata	catgaccoga	cacagtcacc	gcagaaagtt	catcactttg	1980
cagctgctgt	agtctcctct	caaccatgtc	tgttagatcc	acaaaatttt	catcaaatcc	2040
aagtctctca	acaactggac	taaattcttc	cagtaattct	gtaaccttat	aagacatttc	2100
tctgtagcgg	gtcaggtctt	ctccattaac	taataccaac	tgtggacact	tttcttttgc	2160
atctctgaca	ttcataagtt	tcttaactcc	aagtttctta	gcttcatagt	tgcaggtaac	2220
caccaaatat	ttctgttgaa	cccctaaagg	tttgtctttt	agctctggat	ttgagatcat	2280
ttctacttgt	gcataaaaagc	aatccagatc	cacatgtact	atgactctgg	atgaagcatt	2340
tgggtgtgggc	aacacttgat	catgaactcc	ctgcgagctg	gctgccgccc	ccacgtccgc	2400
cagttccat						2409

<210> 5019

<211> 486

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(440)

<223> similar to gil403532 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

tgc	atg	gtg	c	agc	tgg	ctc	a	gat	cct	gg	t	c	gg	agg	tgg	cc	tgg	g	ctt	t	c	g	gt	c	a	a	c	a	c	a	1500
gcc	ggg	acc	g	ttg	t	c	g	c	g	t	c	a	g	g	t	g	a	t	c	a	c	a	g	c	g	t	g	t	g	c	1560
ttt	g	t	c	g	c	t	c	t	c	t	t	t	g	t	t	a	a	t	a	t	g	t	g	a	t						1590

<210> 5021
 <211> 1236
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1237)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (95)...(875)
 <223> similar to gil322971 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

ctc	cg	g	t	a	g	c	act	c	g	g	g	c	g	c	g	a	agg	g	g	a	a	c	a	a	g	g	g	a	g	t	g	t	c	a	c	a	g	t	60		
ttt	cc	att	t	a	gat	ca	a	ca	a	c	tt	ca	a	g	t	t	ct	t	ac	ca	t	g	g	a	a	att	cc	g	a	g	a	g	a	g	a	g	t	120			
ggt	t	ct	c	ctt	g	ctt	g	t	g	g	tt	c	att	ca	at	cc	cat	ca	cc	a	a	c	at	g	c	ac	ct	ca	g	gtt	g	ttt	g	a				180			
g	ct	g	g	cc	a	a	g	act	ac	a	g	a	t	g	a	a	c	ag	g	a	a	g	g	gt	t	g	t	caa	a	g	g	c	a	t	c	a	t	240			
t	c	ct	g	tt	g	g	t	gat	g	c	ct	a	a	g	a	a	a	ag	g	act	c	att	c	ct	g	c	ct	a	t	c	acc	g	g	g	t	c	a	t	300		
g	g	c	a	a	act	t	g	ct	a	cc	a	a	g	a	att	c	t	a	a	a	t	g	g	t	g	a	a	g	t	g	g	a	a	g	t	c	t	t	360		
g	a	a	g	g	a	g	t	g	g	aa	a	g	a	g	a	ct	c	t	g	a	a	g	g	t	g	c	t	g	a	a	a	a	a	t	g	g	a	g	g	420	
t	g	a	ct	g	t	g	a	t	c	ac	c	a	g	c	a	g	a	g	a	a	g	g	a	a	g	c	c	t	g	g	a	a	g	a	g	a	a	g	480		
g	a	ct	g	a	a	c	a	ca	g	a	t	t	c	t	a	gt	c	a	a	a	a	a	g	a	a	at	c	c	t	a	g	a	g	a	a	a	a	a	540		
aa	a	g	g	t	ca	a	g	ct	g	t	g	t	g	g	g	c	a	g	a	t	t	att	g	g	a	g	t	cc	ttt	g	ct	g	t	g	ttc	cca	att	t	600		
g	a	a	g	a	g	t	g	a	g	a	c	ac	cc	aa	at	c	g	t	g	g	c	ca	a	ct	a	t	g	g	g	ct	cat	a	t	g	t	g	ttact	c	g	g	660
t	g	g	a	a	t	g	a	t	g	ct	c	a	g	a	a	g	t	tt	at	ct	a	t	g	a	at	c	g	g	a	a	c	acc	g	g	a	g	caa			720	
c	att	t	c	a	g	t	g	gt	ga	at	ga	at	gg	at	c	g	ct	a	a	tg	a	c	at	ct	ca	t	c	c	a	c	a	a	a	a	a	a	a	a	a	780	
c	ct	c	a	g	a	a	g	g	cc	a	g	a	g	c	a	tt	ct	a	ct	tt	gg	t	acc	a	g	a	t	ctt	g	g	t	g	t	cc	a	a	g	a	840		
aa	a	g	c	a	t	a	a	t	tt	g	t	a	c	a	g	ct	ct	g	a	g	t	g	a	g	a	g	g	g	t	c	a	tc	ct	g	g	cc	cc	c	900		
ttt	g	c	a	g	a	g	a	a	a	act	g	c	a	g	aa	g	a	a	c	at	a	a	g	a	c	at	ag	a	a	c	at	g	a	t	tt	tt	c	a	g	960	
tt	cc	att	tt	g	gg	g	at	ct	g	a	aca	at	ct	g	g	g	ag	t	ta	a	a	a	a	a	c	ag	tt	a	a	a	a	a	a	a	a	a	a	a	a	1020	
t	g	tt	g	c	ct	aa	act	aa	g	ctt	aaa	ag	ttt	ag	t	ta	aaa	a	a	c	g	t	ct	g	g	g	c	a	c	a	g	tg	g	ct	c	a	c	g	1080		
ct	g	t	a	g	t	ccc	ag	c	act	ttt	g	g	ag	g	ct	g	ag	g	c	g	g	t	g	g	a	c	g	g	g	g	t	c	a	g	g	a	t	c	g	1140	
cc	at	c	ct	g	g	c	ca	a	t	at	g	g	t	g	a	ag	c	c	c	c	c	a	t	c	t	act	g	a	a	a	a	a	a	a	a	a	a	a	a	1200	
t	g	g	g	g	c	a	c	g	t	g	g	t	c	cc	ag	ct	g	c	t	t	g	g	n	g	g	g													1236		

<210> 5022
 <211> 2902
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(1887)

<223> similar to gi4240239 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5022

gatggcggcg	gcagcagtcg	acagcgcgat	ggaggtggtg	ccggcgctgg	cggaggaggc	60
cgcgccggag	gtagcggggc	tcagctgcct	cgtcaacctg	ccgggtgagg	tgctggagta	120
catcctgtgc	tgcggtcgcg	tgacggccgc	cgacatcggc	cgtgtctcca	gcacctgccg	180
gcggctgcgc	gagctgtgcc	agagcagcgg	gaaggtgtgg	aaggagcagt	tccgggtgag	240
gtggccttcc	cttatgaaac	actacagccc	caccgactac	gtcaattggt	tggaagagta	300
taaagttcgg	caaaaagctg	ggttagaagc	gcggaagatt	gtagcctcgt	tctcaaagag	360
gttcttttca	gagcacgttc	cttgtaatgg	cttcagtgac	attgagaacc	ttgaaggacc	420
agagattttt	tttgaggatg	aactggtgtg	tatcctaaat	atggaaggaa	gaaaagcttt	480
gacctggaaa	tactacgcaa	aaaaaattct	ttactacctg	cggcaacaga	agatcttaaa	540
taatcttaag	gcctttcttc	agcagccaga	tgactatgag	tcgtatcttg	aaggtgctgt	600
atatattgac	cagtactgca	atcctctctc	cgacatcagc	ctcaaagaca	tccaggccca	660
aattgacagc	atcgtaggag	ttgtttgcaa	aacccttcgg	ggcataaaca	gtcgccaccc	720
cagcttggcc	ttcaaggcag	gtgaatcatc	catgataatg	gaaatagaac	tccagagcca	780
ggtgctggat	gccatgaact	atgtccttta	cgaccaactg	aagttcaagg	ggaatcgaat	840
ggattactat	aatgccctca	acttatatat	gcatcaggtt	ttgattcgca	gaacaggaat	900
cccaatcagc	atgtctctgc	tctatttgac	aattgctcgg	cagttgggag	tcccactgga	960
gcctgtcaac	ttcccaagtc	acttcttatt	aaggtggtgc	caaggcgcag	aaggggcgac	1020
cctggacatc	tttgactaca	tctacataga	tgcttttggg	aaaggcaagc	agctgacagt	1080
gaaagaatgc	gagtacttga	tcggccagca	cgtgactgca	gcactgtatg	gggtggtcaa	1140
tgtcaagaag	gtgttacaga	gaatggtggg	aaacctgtta	agcctgggga	agcgggaagg	1200
catcgaccag	tcataccagc	tcctgagaga	ctcgctggat	ctctatctgg	caatgtaccc	1260
ggaccaggtg	cagcttctcc	tcctccaagc	caggctttac	ttccacctgg	gaatctggcc	1320
agagaagtct	ttctgtcttg	ttttgaagg	gcttgacatc	ctccagcaca	tccaaacctt	1380
agaccggggg	cagcacgggg	cggtgggcta	cctggtgcag	cacactctag	agcacattga	1440
gcgcaaaaag	gaggaggtgg	gcgtagaggt	gaagctgcgc	tccgatgaga	agcacagaga	1500
tgtctgctac	tccatcgggc	tcattatgaa	gcataagagg	tatggctata	actgtgtgat	1560
ctacggctgg	gacccccact	gcatgatggg	acacgagtgg	atccggaaca	tgaacgtcca	1620
cagcctgccg	cacggccacc	accagccttt	ctataacgtg	ctggtggagg	acggctcctg	1680
tcgatacgca	gcccaagaaa	acttgggaata	taacgtggag	cctcaagaaa	tctcacaccc	1740
tgacgtggga	cgctatttct	cagagtttac	tggcactcac	tacatcccaa	acgcagagct	1800
ggagatccgg	tatccagaag	atctggagtt	tgtctatgaa	acggtgcaga	atattttacag	1860
tgcaaagaaa	gagaacatag	atgagtaaag	tctagagagg	acattgcacc	tttgcctgctg	1920
ctgctatctt	ccaagagaac	gggactccgg	aagaagacgt	ctccacggag	ccctcgggac	1980
ctgctgcacc	aggaaagcca	ctccaccagt	agtgtgtggt	gcctcctact	aagtttaaat	2040
accgtgtgct	cttccccagc	tgcaaagaca	atgttgcctt	ccgcctacac	tagtgaatta	2100
atctgaaagg	cactgtgtca	gtggcatggc	ttgtatgctt	gtcctgtggt	gacagtttgt	2160
gacattctgt	cttcatgagg	tctcacagtc	gacgctcctg	taatcattct	ttgtattcac	2220
tccattcccc	tgtctgtctg	cattttgtctc	agaacatttc	cttggctgga	cagatggggg	2280
tatgcatttg	caataatttc	cttctgattt	ctctgtggaa	cgtgttcggg	cccaggtgag	2340
gactgtgtgt	ctttttaccc	tgaagttagt	tgcataattca	gaggtaaagt	tgtgtgctat	2400
cttggcagca	tcttagagat	ggagacatta	acaagctaata	ggtaattaga	atcatttgaa	2460
tttatttttt	tctaatatgt	gaaacacaga	tttcaagtgt	tttatctttt	ttttttaaat	2520
ttaaattggga	atataacaca	gttttccctt	ccatattcct	ctcttgagtt	tatgcacatc	2580
tctataaatc	attagttttc	tattttatta	cataaaattc	ttttagaaaa	tgcaaatagt	2640
gaacttttgt	aatggatttt	tccataactca	tctacaattc	ctccatttta	aatgactact	2700

tttatttttt	aatttaaaaa	atctacttca	gtatcatgag	taggtcttac	atcagtgatg	2760
ggttcttttt	gtagtgagac	atacaaatct	gatgttaatg	tttgctctta	gaagtcatac	2820
tccatggtct	tcaaagacca	aaaaatgagg	ttttgctttt	gtaatcagga	aaaaaaaaaa	2880
ttaatgaacc	ttaaaaaaaaa	aa				2902

<210> 5023
 <211> 1113
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (984)...(564)
 <223> similar to gil913888 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0040460

<400> 5023						
agttgcgggg	atttttataa	caccatatat	ggatatatat	ggctatatatt	ttgcttatcg	60
ttcattgcct	cagcgataaa	gggaaataaa	aatattgatc	tataaaataa	gccgatgata	120
acacaatgcc	aaaaaatagc	ttatggttaa	agtgccaagg	gggtgaaggc	ttgaaagcaa	180
gctaaattgc	aacaacatat	tgatttaaca	tttaaataca	aggacttggc	aataaaataa	240
ttcttggaag	tatggcttct	catttttagg	tttacttttg	gaaaaactac	tctatataca	300
catatccagg	ttgtaacact	tggacagtag	cattatgggg	catgatataa	ctttggtaca	360
cattgcagat	atggatgttt	aatgtctgta	aatgatattc	cttcaccagt	tagacttctg	420
tacatccagg	tgaccagcca	cctgggttcta	agtcatatcc	caccagaatc	cctggagtcc	480
ttgccagagc	catcagagac	agcaggcgaa	agcagggtca	ctgaatccat	attgtgtttc	540
ctctctcggt	tctcctgggt	tccactgtca	gttctccaaa	cgtggaaaaa	aactgctcca	600
tttctttctg	tagcatgtca	tttcttttct	cggcatcttc	ttttgctcgc	tcggcatttc	660
gcatttttat	ttctatcatt	gtgaactttt	tcctctcctg	atccagttca	tcatggaggc	720
tcatcatttc	tgtttccaaa	gtcaagtttc	gctgttctaa	gctctttatc	ctggactcat	780
actctatctt	ctgtttggtc	atttcctggt	tcaggctgga	aactaaactg	tgcagtgcac	840
tgtggttgct	gctgctgttg	cccacaaatg	tctcactggt	gtcactgcta	ctgggtggcac	900
gactacttcg	acctcccaca	ctcctgtggt	cacttttgct	ttcatagtcc	ctgggggtggg	960
gaaaggctcg	cctgcggggg	cccatccaaa	acagggtcct	caaagttccc	cccaaaaaag	1020
tcttgctctg	ggcaggtggt	ggtagaagag	cgacaggagt	tggagtcttc	agggagggag	1080
atttcacagg	aggaagtgga	ccaggtagca	ctg			1113

<210> 5024
 <211> 1937
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (225)...(1064)
 <223> similar to gi5824388 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5024

aaggagccaa gaccatggcg aaagccgggg ataagagcgg cagcagcggg aagaaaagtc 60
taaaacggaa agccgctgcc gaagaacttc aggaggctgc aggcgctggg gatggggcga 120
cgaaaaacgg ggtccaaccc ccgaaagcgg ctgcctttcc gccaggcttt agcatttcgg 180
agattaaaaa caaacagcgg cgacacttaa tgttcacgcg gtggaaacag cagcagcggg 240
aggaaaagtt ggcagctaag aaaaaactta aaaaagaaag agaggctctt ggcgataagg 300
ctccaccaa gacctgtacc aagaccattg acaaccagcg agtgtatgat gaaaccacag 360
tagaccctaa tgatgaagag gtcgcttatg atgaagctac agatgaattt gcttcttact 420
tcaacaaaca gacttctccc aagattctca tcacaacatc agatagacct catgggagaa 480
cagtacgact ctgtgaacag ctctccacag ttataccaaa ctacatggt tattacagaa 540
gaggactggc tctgaaaaaa attattccac agtgcacgcg aagagatttc acagacctga 600
ttgttattaa tgaagatcgt aaaaccccaa atggacttat tttgagtcac ttgccaaatg 660
gcccaactgc tcatttttaa atgagcagtg ttcgtcttcg taaagaaatt aagagaagag 720
gcaaggaccc cacagaacac atacctgaaa taattctgaa taattttaca acacggctgg 780
gtcattcaat tggacgtatg tttgcatctc tctttcctca taatcctcaa tttatcggaa 840
ggcaggttgc cacattccac aatcaacggg attacatatt cttcagattt cacagataca 900
tattcaggag tgaaaagaaa gtgggaattc aggaacttgg accacgtttt accttaaaat 960
taagggtctc tcagaaagga acctttgatt ctaaataatg agagtatgaa tgggtccata 1020
agccccggga aatggatata agtagaagaa aattccattt ataaagtact gagagaatga 1080
tattggattt tgctgaacag gcctatcttg aactttggta aattattttt gacagaatac 1140
tcttttcaaa atggcatttg ctgatttcat aaacctttca cgtctggacg aattaccaa 1200
tgccatgaat tgccactgtg tgtttatgta gaaaatacaa ataaaagtta ttttgatggc 1260
ttaggtttcc tttaaacttag ttctcttggt tttgggtaac tgtgaataat taagttggaa 1320
tcaagattca gattaacttt cctatttgca tagaacacat gagaggaata aaatggttgg 1380
taaataattg ctaacccttg atttttatata cagattaacc ttggattccc agtgtctggc 1440
acagttttta tagcttaaat ggaggccagg ttcttgatg ttttaacatt ctcttaagcc 1500
ttcagaaggg taaaaaattt aaagcaaat gatctaccag gggttaaagc aaagttgcaa 1560
attactgaag ctaatctttg ctctctgatt ttgaggtttt tgggtttttg tgcccacggt 1620
gtggggagct cttttttacc tcattacatg gtgctgtagt actcccatc aggcactgaa 1680
aacaaagtta accctataag taactcatgg atggaaaccc gtagaactta acagcctcct 1740
cctgacctta aaagaataaa ggttcacagt ttacctttaa ttccctagca gtcttgccag 1800
atgtatggca taaagtcag tgagaagagt aggtggaaaa aactgtacaa acttaacccc 1860
ttcaggtgtt cagaacagat taatatacca tgtatttaat accaataata atgcaaaaata 1920
aaacgtttca tactaag 1937

<210> 5025

<211> 2685

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (4)...(1666)

<223> similar to gi2208839 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5025
gcgggcgcgg cgggcggtgg ggcgttcgcg ggccggcgcg cggcgtgcgg ggccgtgctg      60
ctgacggagc tgctggagcg cgccgctttc tacggcatca cgtccaacct ggtgctattc      120
ctgaacgggg cgccgttctg ctgggagggc gcgcaggcca gcgaggcgct gctgctcttc      180
atgggcctca cctacctggg ctgccggttc ggaggctggc tggccgacgc gcggctgggc      240
cgggcgcgcg ccatcctgct gagcctggcg ctctacctgc tgggcatgct ggccttcccg      300
ctgctggccg cgcccgccac gcgagcccgcg ctctgcggtt ccgcgcgcct gctcaactgc      360
acggcgccctg gtcccgaacg cgccgcccgc tgctgctcac cggccacctt cgcggggctg      420
gtgctggtgg gcctgggctg ggccaccgtc aaggccaaca tcacgccctt cggcgccgac      480
caggttaaa atcgaggtcc ggaagccact aggagatttt ttaattgggt ttattggagc      540
attaacctgg gagcgatcct gtcgttaggt ggcatcgct atattcagca gaacgtcagc      600
tttgtcactg gttatgcgat cccactgtc tgcgtcgcc ttgcttttgt ggtcttcttc      660
tgtggccaga gcgttttcat caccaagcct cctgatggca gtgccttcac cgacatgttc      720
aagatactga cgtattcctg ctgttcccag aagcgaagtg gagagcgcca gagtaatggt      780
gaaggcattg gagtctttca gcaatcttct aaacaaagtc tgtttgattc atgtaagatg      840
tctcatggtg ggccatttac agaagagaaa gtggaagatg tgaaagctct ggtcaagatt      900
gtccctgttt tcttggttt gataccttac tggacagtgt atttccaaat gcagacaaca      960
tatgttttac agagtcttca tttgaggatt ccagaaattt caaatattac aaccactcct     1020
cacacgtccc ctgcagcctg gctgaccatg tttgatgctg tgctcatcct cctgctcatc     1080
cctctgaagg acaaactggt cgatcccatt ttgagaagac atggcctgct cccatcctcc     1140
ctgaagagga tcgccgtggg catgttcttt gtcatgtgct cggccttttg tgcaggaatt     1200
ttggagagta aaaggctgaa ccttggttaa gagaaaacca ttaatcagac catcggcaac     1260
gtcgtctacc atgctgccga tctgtcgctg tgggtggcagg tgccgcagta cttgctgatt     1320
gggatcagcg agatctttgc aagtatcgca ggcctggaat ttgcatactc agctgcccccc     1380
aagtccatgc agagtgccat aatgggcttg ttctttttct tctctggcgt cgggtcgttc     1440
gtgggttctg gactgctggc actggtgtct atcaaaagcca tcggatggat gagcagtcac     1500
acagactttg gtaatatata cggtctctat ttgaactatt acttttttct tctggctgct     1560
attcaaggag ctaccctcct gcttttcctc attatttctg tgaaatatga ccatcatcga     1620
gaccatcagc gatcaagagc caatggcgtg cccaccagca ggagggcctg accttcctga     1680
ggccatgtgc ggtttctgag gctgacatgt cagtaactga ctggggtgca ctgagaacag     1740
gcaagacttt aaattcccat aaaatgtctg acttcactga aacttgcag ttgcctggat     1800
tgatttcttc tttccctcta tccaaaggag cttggtaagt gccttactgc agcgtgtctc     1860
ctggcacgct gggccctccg ggaggagagc tgcagatttc gagtatgtcg cttgtcattc     1920
aaggtctctg tgaatcctct agctgggttc ccttttttac agaaactcac aaatggagat     1980
tgcaaagtct tggggaactc cacgtgttag ttggcatccc agtttcttaa acaaatagta     2040
tcacctgctt cccatagcca tatctcactg taaaaaaaaa aattaataaa ctgttactta     2100
tatttaagaa agggaggatt tttttttttt aaagataaaa gcatggtcag atgctgcaag     2160
gattttacat aaaggccata tttatggttt ccttcctgaa aacagtcttg ctcttgccat     2220
gttctttgat ttaggtggt agtaaacaca tttcatctgc tgcttcaaaa agtacttact     2280
ttttaaacca tcaacattac ttttctttct taaggcaagg catgcataag agtcatttga     2340
gaccatgtgt cccatctcaa gccacagagc aactcacggg gtacttcaca ccttacctag     2400
tcagagtgtc tatatatagc tttatttttg tacgattgag actaaagact gatcatgggt     2460
gtatgtaagg aaaacattct tttgaacaga aatagtgtaa ttaaaaataa ttgaaagtgt     2520
taaagtgtgaa cttgagctgt ttgaccagtc acatttttgt attgttactg tacgtgtatc     2580
tggggcttct ccgtttgtta atactttttc tgtatttgtt gctgtatttt tggcataact     2640
ttattataaa aagcatctca aatgcgaaat ccatgaaaaa aaaaaa     2685

```

```

<210> 5026
<211> 4955
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (1)...(2859)
 <223> similar to gi5689511 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5026

ctctctctct	ttcggggcgga	gtcgcccacc	actgccagcc	cagcgctggg	gggacctgct	60
ccaggctgta	gccgcaggac	cccaccaccc	cccatggctc	ccctggcctt	ggtggggggtc	120
acactcctcc	tggcggtccc	cccattgctcc	ggggcagcca	ccccaaacccc	ctccctgccc	180
cctcccccg	ccaatgacag	cgacaccagc	acagggggct	gccaggggtc	ctaccgctgc	240
cagccggggg	tgctgtgcc	cgtgtgggag	cccgcagacc	cgtcgctggg	tgacaaggcg	300
gcacgggacg	tgggtgactt	tgtggccatg	gtctacatgt	ttctgggagt	gtccatcatc	360
gccgaccgtt	tcatggcggc	catcgagggtc	atcacgtcaa	aagagaagga	gatcaccatc	420
accaaggcca	acggtgagac	cagcggtggc	accgttcgca	tctggaatga	gacgggtgtcc	480
aacctcacgc	tcatggccct	gggctcctcc	gcacctgaga	tcctgctgtc	agtcatcgaa	540
gtctgcggcc	acaacttcca	ggcggtgag	ctgggcccag	gcaccatcgt	gggcagcgct	600
gccttcaaca	tgtttgtggt	catcgccgtg	tgcactacg	tcattcccagc	cggcgagagc	660
cgcaagatca	agcacctgag	agtcttcttt	gtcactgcct	cttgagagcat	cttcgcctat	720
gtctggcttt	atctcatcct	tgtgtttttt	tccccgggtg	tggtccaggt	gtgggaggcg	780
ctgctgaccc	tggctctctt	cccgggtgtg	gtggtattcg	cctggatggc	cgacaagcgg	840
ctgctcttct	acaagtacgt	gtacaagcgc	taccgcaccg	acccacgcag	cggcacatc	900
ataggcgccg	agggcgaccc	cccgaagagc	atcgagctgg	acggcacggt	cgtggggcgcc	960
gaggccccag	gtgagctggg	cggcctgggc	ccgggccccg	ccgaggcgcg	cgagctggac	1020
gccagccgcc	gcgaggtcat	ccagatcctc	aaggacctca	agcagaagca	cccggacaag	1080
gatctggagc	agctggtggg	catcgccaac	tactacgcgc	tgctgcacca	gcagaagagc	1140
cgcgccttct	accgcatcca	ggccacgcgg	ctgatgaccg	gcgccgggaa	cgtgctgcgc	1200
agacacgcgg	cgagcgcctc	gcgcaggcg	gcgcggcgcc	agggcgcggg	cgaggacgaa	1260
gacgacgcgg	ccagccgcat	cttcttcgag	cctagcctct	accactgcct	ggagaactgc	1320
ggctccgtgc	tgctgtccgt	cacgtgccag	ggcggcgagg	gcaacagcac	cttctacgtg	1380
gactaccgca	ctgaggacgg	ctctgccaa	gcgggctccg	actacgagta	cagcgagggc	1440
acgctggtgt	tcaaaccagg	cgagacgcag	aaggagctgc	gcatcggcac	catcgacgac	1500
gacatcttcg	aggaggacga	gcatttcttc	gtgcggctgc	tgaacctgcg	cgtggggcgac	1560
gcgcagggca	tgcttcgagc	ggacggcggc	gggcggccca	agggcgcgct	ggtggcgccg	1620
ctgctggcca	ccgtcaccat	cctggacgac	gaccacgcag	gcatcttctc	cttcaggac	1680
cgctctgtgc	acgtgagcga	gtgcatgggc	accgtggacg	tgcgcgctcg	gcgcagctcg	1740
ggcgcgcgcg	gcaccgtgcg	ccttccttac	cgacaggtgg	acggcacggc	gcgcggcggc	1800
ggcgtgcact	acgaggacgc	gtgcggagag	ctggagtgtg	gcgacgacga	gaccatgaaa	1860
actcttcagg	tgaagatagt	tgatgacgag	gaatatgaga	aaaaggataa	tttcttcatt	1920
gagctgggcc	agccccagtg	gcttaagcga	gggatttcag	ctctgctact	caatcaaggg	1980
gatggggaca	ggaagctaac	agccgaggag	gaggaggctc	ggaggatagc	agagatgggc	2040
aagccagttc	ttggggagaa	ctgccggctg	gaggatcatc	tcgaggagtc	atatgatatt	2100
aagaacacgg	tgataaaact	catcaagaaa	acgaacttgg	ccttggtaat	tgggacccat	2160
tcatggaggg	agcagttttt	agaggcaatt	acggtgagcg	caggggacga	ggaggaggag	2220
gaggacgggt	cccgggagga	gcggctgcgg	tcgtgctttg	actacgtgat	gcacttcctg	2280
acggtgttct	ggaaggtgct	cttcgcctgt	gtgccccca	ccgagtactg	ccacggctgg	2340
gcctgctttg	gtgtctccat	cctggtcatc	ggcctgctca	ccgccctcat	tggggacctc	2400
gcctcccact	tcggctgcac	cggttgccctc	aaggactctg	tcaatgctgt	tgtcttcggt	2460
gccctgggca	cctccatccc	tgacacgttc	gccagcaagg	tggcggcgct	gcaggaccag	2520
tgcgccgacg	cgtccatcgg	caacgtgacc	ggctccaacg	cgggtgaacgt	gttccttggc	2580
ctgggcgtcg	cctggtctgt	ggccgcgctg	tactgggcgg	tgacgggccc	ccccctcgag	2640
gtgcgcactg	gcacgctggc	cttctccgtc	acgctcttca	ccgtcttcgc	cttcgtgggc	2700
attgccgtgc	tgctgtaccg	gcgcggcgcc	cacatcgggc	gcgagctggg	cggccccgcg	2760
ggacccaagc	tcgccaccac	cgcgctcttc	ctgggcctct	ggctcctgta	catcctcttc	2820

001210 "152283450


```

gccagcctgg aggcgtactg ccacatccgg ggcttctagg gcctcgcgca gagactcgtc 2880
cccaccgccc gcccggggct agggactcgg ctgcacctgc tcttggaccc tggctctcctt 2940
ttccccccag actcggcctc ctctcctggg actcggcctc ccttctccgc cccctccctt 3000
ggcttttgatt gccctgttgc tgtgtcccca gtagctcagc cttccctctt cctctcggga 3060
gcctccccgg ttcctccctt gcggtgaccc caactccagc ccacctctgtt ggtgaccgtc 3120
tatatccctg gggaaatttc caccacagtc cctccccag ggaaccaccc ccagtaacca 3180
tcctggggag tttaaggtct ctctccttgg tcacccagcc tggctttgcc cccaaagtct 3240
cccttccctt agtgaccccc ccccaacttca ccccatgtcc cagagcctca gaaccacccc 3300
tccttggggg accctcgaag gaggtgttca gagggcgtct tcagcttacc agcccttccc 3360
cccagccctc agggagctcc gctcaggccc cggcgggagg gagcgggtgg gtgtgcgcgc 3420
aaggaggccg cacacctttc cttccaatcc ctccactcgg gttcttggga ggacactcat 3480
tctccaggct cggagacgag gggagaagtt tggggtttca gtcccagggc ttagccggag 3540
gaagcacatt ttgaacctgc aacttcagac attccagctc ccccaactgc cctccactac 3600
ctctgagagc ccagccacgc cttggaggga ggggcttggg tgtgtatata gtgtgtttgg 3660
gggagggggg acccgggagg gtgcatgtct tgggaaaagg gggggacaga caacttttga 3720
gagggcagca gactccctca gccatgagaa ccagctttgg ggaggaggcc gggaatcaaa 3780
gcgagtccag ttgatctccc ctgacaatct ggaaggttca ttttgccctc agtgccagcc 3840
aatccgggca ggacctcga agaggagacc gaggggtcca gaggaccaat gctacaagcc 3900
agcaaagtct gccacatctc tgccctgatg ggggggtggga aatgggtggg gggatgggac 3960
tgggcccaag ggatctgggt gggcattttt aactttggag gccttccatc tgtcggtagg 4020
ccatctgcat tttcttactg ttgatgtttc ctgcccagg gacacatttg ggcagtgcc 4080
cccaactcctt gggcccctag gatgacccaa ctaccccat aactttctgc ttcccacagg 4140
ttttcagcat tctatcgtcc tgttgtgctc agccccaaca tcccagaccc gttaccact 4200
acccttctct cccccagctc atcatcagtc gctgtctctt ttctgtgatt tctgtaaaag 4260
ttgccataaa actttgaaat tctgcctgaa aaacagtccc gtgggaagct gggattcagg 4320
aggagggggc taataagggt tctgactgag atttgggcaa ctgttaaacc aagtaatctg 4380
ggtttttgct gcccgcggtc gtctgcggga cacaccaca tatagcagca gcgccgggg 4440
ccagccgcca agctcttcca ctgcacacgc ccccatcagt aatgagcttt cactagccac 4500
gcccccatcc gtcagcctag ctcttccact agccacaccc ccacccatca gtcattgggt 4560
tccacaagcc acgcacctcc actctccatg ccccatattg tcagtcgtgg gtttccacta 4620
accacgcccc cattcatcag ccaagctcct ccacttgcta cgcccgcata cgtcaattac 4680
gggtttccac taaccacgac cccattcatc agcctagctc ttccactaat cacaccccca 4740
cttatcagtc gtgcttcagc cagcccttcc tgcttcagtc aggggcttcc actagccag 4800
ccccatgca tgagccacaa actgtttctc tttatgggca tcctgggaac acaaaagaga 4860
gacgttcatt tgctgagcc aaagagctgg ggttgatggg gtttcctaaa taaagcaagt 4920
aattttctca gatcctagaa aaaaagcaaa aaaag 4955

```

<210> 5027

<211> 900

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(898)

<223> similar to gi3548791 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5027

atggcttctg ctgcctgctc catggacccc atcgacagct ttgagctcct ggatctcctg 60

```

tttgaccggc aggacggcat cctgagacac gtggagctgg gcgagggctg gggtcacgtc 120
aaggaccagg tcctgccaaa ccccgactct gacgacttcc tcagctccat cctgggctct 180
ggagactcac tgccagctc cccactctgg tccccgaag gcagtgatag tggcatctcc 240
gaagacctcc cctccgaccc ccaggacacc cctccacgca gcggaccagc cacctcccc 300
gccggctgcc atcctgcca gcctggcaag gggccctgcc tctcctatca tcctggcaac 360
tcttgctcca ccacaacccc agggccagtg atccaacaac agcatcacct gggggcctcc 420
tacctcctgc gacctggggc tgggcactgt caggagctgg tgctcaccga ggatgagaag 480
aagctgctgg ctaaagaagg catcacccctg cccactcagc tgcccctcac taagtacgag 540
gagcgagtgc tgaaaaaaat ccgccgaaa atccggaaca agcagtcggc gcaagaaagc 600
aggaagaaga agaaggaata tatcgatggc ctggagactc ggtcctgttg ctgtcctttg 660
ccctcatcat cctcccctcc atcagccctt ttggcccaa caaaaccgag agccctgggg 720
actttgcgcc tgtacgagtg ttctccagaa ctttgacaaa cgatgctgcc tcccgcgtgg 780
ctgctgatgc tgtgccaggc tccgaggccc caggaccccg acccgaggct gacacaaccc 840
gagaagagtc tccaggaagc cccggggcag actggggctt ccaggacacc gcgaacctga 900

```

```

<210> 5028
<211> 683
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (41)...(109)
<223> similar to gil62191 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5028
tttcgtcaga gctgcgcgtg ctgctttgcc cgagcccag cccgagcccg agcccagacc 60
cgagcccag cccgagcccg agcccgaacg caagcctggg agcgcgaggc ccggctaggg 120
actcctccta tttatggagc aggcacccaa catggctgag ccccgggggc ccgtagacca 180
tgaggtccag attcgcttca tcacagagcc agtgagtggg gcagagatgg gcaactctacg 240
tcgaggtgga cgacgcccag ctaaggatgc aagagccagt acctacgggg ttgctgtgcg 300
tgtgcaggga atcgctgggc agccctttgt ggtgctcaac agtggggaga aaggcgggtga 360
ctcctttggg gtccaaatca agggggccaa tgaccaaggg gcctcaggag ctctgagctc 420
agattttgaa ctccctgaga acccctactc tcagggtcaag ggatttcctg ccccctcgca 480
gagcagcaca tctgatgagg agcctggggc ctactggaat ggaaagctac tccgttccca 540
ctcccaggcc tactggcag gccctggccc agtggtacct agtaacagaa gcaacagcat 600
gctggagcta gccccgaaag tggttcccc aggtagcacc attgacactg ctcccctgtc 660
ttcagtggac tactcatca aca 683

```

```

<210> 5029
<211> 4235
<212> DNA
<213> Homo sapiens

<220>

```

<221> misc_feature
 <222> (4236)...(940)
 <223> similar to gi5689527 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5029

tttgaacact	gcaaaaaggct	tttatttttat	aggcaccact	gcaaaaatgag	gaatcacatc	60
aaaacatatc	aaatagaaaa	taataatttta	ttttaacttc	attttactgt	ttgtaactaa	120
tcatgatttt	gtgaacttgc	ctgtataagt	ctgtaccttc	aaatctacaa	agcaaaaagt	180
tactacaatg	agcacttaaa	attccacaaa	ccgtctccat	ccacaacttt	cctgtacatg	240
caaattcttt	cagtgggctg	caatatattgc	aaacatgctt	taaacttcca	taaagatgca	300
agatatatttg	ctttctgcta	aaacctttac	actctcttgg	gaaccttaac	caggaaaaatg	360
tttaaagtga	tatcccaact	ctaaacgctg	ccggtttggg	tatatgtatt	aaatcgttaa	420
ccaccgggtt	gggtggtttt	gagttgaaac	cttcacctaa	atgataatat	cttaacggtc	480
acgcatatga	aacacattca	gtaacgtacc	attataaaaat	agggttccat	taaaaataca	540
tactggcagt	tgtattttgtg	ttttaggcag	gaaaaaaaagc	gtgttttaact	tttttatatg	600
aatatagttt	aaacaagtta	ttctgtgaaa	gtatgcttaa	taaaagatct	ttctgaaaatt	660
taaacacttt	atgtaaaagg	gtacaggtag	aaaagtacaa	ttgctatttg	aaaaaagctc	720
tgtttggttaa	tattgccttc	caagatagta	agggtgtttt	tctctctctt	cccttaaaat	780
agacctatga	caccagaggt	tgtagggttt	gcaaatttgg	actataaaca	tgaagaccgt	840
acttatctta	tatacaaaaa	cttgccgcac	tgaacgaggc	aggaatttct	acccagtggt	900
tagtgggtctc	ctttatgtac	ataatgcaga	agtgaaaaatt	atacagtagt	caccgatagg	960
aaggaattgt	atactctagt	gccgtccggg	gattttgtgc	cgtgggttaa	gagttcttgg	1020
atcgtcatcc	agttatcgaa	gattttctta	ttcctcttct	tcatcatctt	tttgtggctc	1080
agttcgagaa	tgttcatctc	cttcctgtca	tccggtgctt	gctgctcctt	gagacaatcc	1140
aacctgctct	gcatcatgaa	ctcgcgccgc	cgcgcgtgct	ccttggcctt	caccaggtgc	1200
tgcttctctc	tctccttgct	ccagtagcgc	cccatttcca	tctcgctcac	cgcgtcgtcg	1260
tccggtggta	tcccgctgcg	ctcttcccgc	atcttcaggg	cgcgtcccg	cagcaggcgg	1320
tcccgcacgg	gcctcttggg	gatgtagcgc	gtcccgctgc	tgcgcatctt	caccttccac	1380
tccatgcgcg	gctccgacgg	gggtgggagag	ctcaggctct	tgcacatgct	caccaggtctc	1440
atctggcttt	gcgcgtactc	cacggccgac	ttctgctgga	tcagctgcat	gtagctctgg	1500
tagtgctggg	cgtgcgccgg	gatgtgcgcg	tgcttgtagt	gggagtgggtg	ataggaggggc	1560
aggtaggcgc	tgccagctt	ctggctgggc	gtggggctcc	ggctcccgtc	gctggctctc	1620
cgctctttgc	tttccagggg	ctgggtgggg	tccagctcct	tcagggacgg	gctataggta	1680
gggggtgcca	cttcgggata	ttccgtgatg	gagagcagat	tcttggaggc	tggcccgtag	1740
gcttccgtgg	tccccacagc	cccttcgctg	ctcgggcagc	tgatgccctc	cgcgcgtctc	1800
ctcaaggagt	tgtcggggga	gatctccagg	gtgagcgggg	tgctgcggca	gctctcgctc	1860
gtgttgtagg	cgctcgagct	gtccttgctg	gatttctccg	ggagctcggg	gatatctgag	1920
agctcgtgtc	tgcgcacgtc	gatgctgggtg	ttgtagttgc	ggaagccgct	gttgtgcagc	1980
atccaggact	cgcggtactg	ctccttgagc	tgtgtcatct	tgtgggcgcg	cacgatgctc	2040
aggcactcca	gctcgatgct	gcgcagctct	tcggttcagca	gctccagctc	cttgtccacg	2100
ctctcagggg	cactcttgcc	ggcgtccagg	gggcccgtag	ggtagtacag	gccgtaaggg	2160
gtggcgctct	tcacctggca	cttgagctcc	aggagctcgc	ggaagcgtc	gcactcgtcc	2220
accgggatcc	ccaggtaggc	ggcgcccgtg	cactcgggcg	aaatgaacga	cttgttgctg	2280
aagggcagggt	cgcgcgtgcc	caaggtgtcc	tggctgcagg	tgagcttccct	ctgccccgcc	2340
agcgggttgg	aggatgcggg	ggcgtcgtcg	ccattgttct	cttgctccga	gctctcgtca	2400
ttacgggtgc	tctcgtcggg	ccgccccaca	ccgctgtcct	tctcgtgctg	gttggaacaag	2460
atgggtggctg	tatctgtggg	cccaccgtct	tgcgtgctg	tcttctgctg	cagcacgcta	2520
gctgtgaatt	gcatggcctg	gtgggtgctg	tcctccagca	tgtccatgtg	caggatcatcc	2580
agaaagtcgt	tcctgtcatc	atccatccag	ccctcatcca	gctggagtcc	agcccttgca	2640
atcagcaatg	aaaagttttt	atcttcttca	ctgggttagaa	gagccacagc	ctcttcacgg	2700
ttctgcacct	ctatcccat	aatctggata	atgcgggtctc	cttctcggat	gcgccccatcc	2760
ttggctgcaa	tgtgtttagg	gtcaatctca	ctgatataaaa	tcccaatgtc	gtcttcatcg	2820
tccgtccggg	agcacacagt	gaggccccagc	ttgtcctggc	tgttcattct	gtagagggtcc	2880

```

acttcctcca gctccagctc ctccctgtcc atctcctgat ggatgtctcc aatgtagtca 2940
tttggatcgt agtattcatg ggctgagggg tgctcctctg gcaagagata gggatccagc 3000
acgggtgggc tgggagagga catcttagtg agggccatga tatgttcaaa ggtgatgtcg 3060
gtttgggttc ccgtgtccac cagctgagac tctgatggag gcgtgaacat tttggtcctt 3120
ggtgttcttc tcaaacacctg caccactatg ggctccttgg ctgtcttgaa agcttccaca 3180
gcctggtcat gagtgtgctc ggataagtct ctgccgttga cctcaataat cctgtcatga 3240
atttgcaggc ctcttctcctt ggctgcaggc ccactgtcaa ctatcttgga tacaaaagatt 3300
ccttcactgg atgatccatc gtggttatcc aactcggcc gccaccaat aatattgaat 3360
cccagggagc cggagtcccg atgcaggaca agagtcagac ttttggtttc ttcgcccttg 3420
ccgccgggcg gcgcggccac gcagcggctg agcagtcga ggcgcgcgct gtattcgggtg 3480
aatttcttct ggtagcgcag cgcggtcatc tgcagctcaa gctgcgccgc ggccagctgg 3540
gccaccagcg acttctcgcg ctccccagcg cgcagcgctt ccttcttgag cgccttgtgc 3600
agcgcgcca ggccggcctg gagcgcgcg ttgtgcgcc gcagcgtcg cgcgcagcag 3660
tggccgcccg cgcgctgctc gccgtgcgtc aagggtagcc ccagccctc ctggcagcgg 3720
cccactggcc gcgcgtcgca cgcgtcgcg atgtgcgct ccacgtcgcg ccgcagcagc 3780
acctggccgc aacccgcgtg gcgacagcgc gcgggcgcga agtcgcagcg ctcgaggtgc 3840
tccggcagct gctgcagctt gaccacccgg ccgcagccgc gcgtcgcgta cgcgcaactg 3900
atgtccagct tgaggataag gcgcttgagc ggcaggacgt ggttgagctc tttggccgac 3960
aggcgaccgc ggcagcgcgc cgggcagctg ccctcctgca ccaccaggg cagcacgcag 4020
ccggcgcaga agacgtggcc gcacggcgtg gtcagcgggt cctccaggac cttgtggcac 4080
agcgcgcaact tcaggtccgg gtccacgtcg ccgtcgaagc ggtccagctc gaagcccatg 4140
gtggcgcca ggccccggg tcgccgccc gcggccgggc gccccctcc tccccacgag 4200
gcggcccaga caggccggct acgccgccc cgcgc 4235

```

```

<210> 5030
<211> 4226
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2513)
<223> similar to gi3882233 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5030
gccataacgg agacctatac ttctccaacg tgatgctgca ggacatgcag accgactaca 60
gttgtaacgc ccgcttccac ttcaccacac ccatccagca gaagaacct ttcaccctca 120
aggtcctcac cacccgagga gttgcagaaa gaacaccaag cttcatgtat ccccagggca 180
ccgcgagcag ccagatggtg cttcgtggca tggacctcct gctggaatgc atcgctccg 240
gggtcccaac accagacatc gcatggtaca agaaagggtg ggacctcca tctgataagg 300
ccaagtttga gaactttaat aaggccctgc gtatcacaaa tgtctctgag gaagactccg 360
gggagtattt ctgcctggcc tccaacaaga tgggcagcat ccggcacacg atctcgggtg 420
gagtaaaggc tgctccctac tggctggacg aacccaagaa ccttattctg gctcctggcg 480
aggatgggag actggtgtgt cgagccaatg gaaaccccaa acccactgtc cagtggatgg 540
tgaatgggga acctttgcaa tcggcaccac ctaacccaaa ccgtgaggtg gccggagaca 600
ccatcatctt ccgggacacc cagatcagca gcagggtgt gtaccagtgc aacacctcca 660
acgagcatgg ctacctgtg gccaacgcct ttgtcagtg gctggatgtg ccgcctcgga 720
tgctgtcgcc ccggaaccag ctcatcagag tgattcttta caaccggacg cggctggact 780
gccctttctt tgggtctccc atccccacac tgcgatggtt taagaatggg caaggaagca 840

```

acctggatgg	tggcaactac	catgtttatg	agaacggcag	tctggaaatt	aagatgatcc	900
gcaaagagga	ccagggcatc	tacacctgtg	tcgccacca	catcctgggc	aaagctgaaa	960
accaagtccg	cctggaggtc	aaagaccca	ccaggatcta	ccggatgccc	gaggaccagg	1020
tggccagaag	gggcaccacg	gtgcagctgg	agtgtcgggt	gaagcacgac	ccctccctga	1080
aactcaccgt	ctcctggctg	aaggatgacg	agccgctcta	tattggaaac	aggatgaaga	1140
aggaagacga	tttcgtgacc	atctttgggg	tggcagagcg	ggaccagggc	agttacacgt	1200
gtgtcgccag	caccgagcta	gaccaagacc	tggccaaggc	ctacctcacc	gtgctaaggac	1260
ggccagaccg	gccccgggac	ctggagctga	ccgacctggc	cgagaggagc	gtgcggctga	1320
cctggatccc	cggggatgct	aacaacagcc	ccatcacaga	ctacgtcgtc	cagtttgaag	1380
aagaccagtt	ccaacctggg	gtctggcatg	accattccaa	gtacccccgc	agcgttaaact	1440
cagccgtcct	cgggtgtcc	ccgtatgtca	actaccagtt	ccgtgtcatt	gccatcaacg	1500
aggttgggag	cagccacccc	agcctcccat	ccgagcgcta	ccgaaccagt	ggagcacccc	1560
ccgagtccaa	tctgggtgac	gtgaagggag	aggggaccag	aaagaacaac	atggagatca	1620
cgtggacgcc	catgaatgcc	acctcggcct	ttggcccaa	cctgcgctac	attgtcaagt	1680
ggaggcgag	agagactcga	gaggcctgga	acaacgtcac	agtgtggggc	tctcgctacg	1740
tgttggggca	gaccccgatc	tacgtgccct	atgagatccg	agtccaggct	gaaaatgact	1800
tcgggaagg	ccctgagcca	gagtccgtca	tcggttactc	cgagagaagat	tatcccagg	1860
ctgcgcccac	tgaagttaa	gtccgagtca	tgaacagcac	agccatcagc	cttcagtggg	1920
accgctcta	ctccgacacg	gtccagggcc	agctcagaga	gtaccgagcc	tactactgga	1980
gggagagcag	cttgctgaag	aacctgtggg	tgtctcagaa	gagacagcaa	gccagcttcc	2040
ctgggtgaccg	cctccgtggc	gtgggtgtcc	gcctcttccc	ctacagtaac	tacaagctgg	2100
agatggttgt	ggtcaatggg	agaggtgatg	ggcctcgag	tgagaccaag	gagttcacca	2160
ccccggaagg	agtacccagt	gcccctaggc	gtttccgagt	ccggcagccc	aacctggaga	2220
caatcaacct	ggaatgggat	catcctgagc	atccaaatgg	gatcatgatt	ggatacactc	2280
tcaaatatgt	ggcctttaac	gggaccaaag	taggaaagca	gatagtggaa	aacttctctc	2340
ccaatcagac	caagttcacg	gtgcaaagaa	cggacccccg	gtcacgctac	cgctttaccc	2400
tcagcgccag	gacgcaggtg	ggctctgggg	aagccgtcac	agaggagtca	ccagcacccc	2460
cgaatgaagg	taggtgcatg	gcagcagccc	ctggggtaaa	aggtcccagc	taattccgag	2520
gcctagagaa	acactgagat	ctgtagctgg	ctgcctggga	tgagagggaa	atgagacttg	2580
caagtcctca	agccctcgga	aggtgagaac	ccatcttatg	tgtgagagg	aggtgctggc	2640
attgtatctg	gagctcagct	ctccttggac	cactgtggtc	acacctgggt	ccccacttgc	2700
cctgacttgc	tcagtcactt	gacatctatc	atctttcctt	cttgtagagg	aataagggaag	2760
agagcatgag	ttgagaaatg	agagaaatca	taatgaactc	caaagaacag	tgagtgttca	2820
cctcttgagg	gaggcaggaa	tatgattgtg	agtgtctcca	tgagggtctc	ggggacaacc	2880
ttctttcttc	gaaggcacat	gggttcaagg	aggtagggga	aaccgtcagg	atgacgctgt	2940
tactggcatc	atgagtagag	cagagaatgt	ggctcttctc	tgacgctga	attggatgcg	3000
ttgtcaggct	gcagagagga	ggaggagtta	ggaaacagcc	atgtgccaag	ccagcttcac	3060
aaagagcaaa	tgagttcatc	acctgggtcc	aggcgtcatc	tggcagcatt	tcagccccac	3120
cagagctgca	cctgcctgag	gactccacta	gagggggctc	caggctcacc	cgcacacgca	3180
ctggcatcag	gggaatgtgc	agtctgggac	ctctcgagga	ggcaaggctg	caaaagcctc	3240
aatactggca	caccctctgg	gaaaggctgg	ggacccccgt	gtgtctccag	agatacaatg	3300
gtctattcaa	cagccatttc	ttgagtaccc	acaatgtgag	gtgccagaca	ctgccacaca	3360
caagggatat	acaaaggtaa	caagaagctc	acaccatcta	gagggggagt	catctataag	3420
aatatcta	tgcatgtcta	aatgaggggg	cgcagtggct	gggcagagaa	ggggattcag	3480
tcttcacggg	aagactccag	agaagagggtg	atgtgagtgg	gcactctgga	agctgacaag	3540
tcacgtgtgc	tgggtgcttc	cacagaagg	tcaggctccg	tggcctggcc	caggcccaga	3600
cggggtcttc	tgaataccac	ccctacccgc	attccaggag	agcatcagtg	ctgccttctc	3660
tggggtacc	agcccgcgtg	cgtcaccccc	ggatcccagg	cagcttcaca	agctgcccac	3720
atccttcccc	agcccaccac	tctagccagt	agaccagcgc	tgaggcagga	gaagaggggc	3780
caggcagaag	cagagaaagg	ctgacagccc	gctctgcata	cctctctggt	ctcagaaacc	3840
aggagtgagt	cacacaacca	gctctccctc	ctgctgtgct	cttctgcact	ctcccaagcc	3900
cctgggcact	cgggaagttt	attagggcag	ggggacttag	gttagtggct	gatgtgtgtc	3960
tgtcaccaaa	ggccaggcca	ggccaggcca	tgatgcactt	tcttgattac	tcaattctgc	4020
aaatagatag	ataaagagag	ccccttcttc	cctccctatg	tgacccccaa	tacagaacat	4080
cagataacaa	agccctattg	tccagcccca	gtaaccacca	cagagaatgt	tctgcagccc	4140
caggggacaa	aaggacaaat	agaggctttt	ttcttaactt	agggctttgc	agaaaattca	4200
agaatttcac	ttagggtctc	cagtcc				4226

<400> 5032

ccttgagact	cgacatccag	agttttttgt	ggcctagtga	tgtaggcact	cttctgccac	60
acaaccaatg	gtgattactg	aaattccaaa	ctcctgaaaa	gagctatcgg	cccagtgggt	120
tcttttagaa	ggccggttgt	gtggcaccaa	aaagcaattg	cttcctccat	tcctactacc	180
tggaacaca	aacttttaaa	ttcatgccag	ttcaattgga	acagtagcaa	atttcatgaa	240
gcagctaaaa	agaagagcaa	cagctggtac	atcaggcatt	aataatataa	caaaggaaga	300
aaaaagagaa	atttttcatt	agtacttttt	gatgtcaatt	tattatttat	ccctttgccca	360
gtattcaaac	agacaggcag	tcataaaaaca	ttaaaaaaga	tcctttaaaa	cggtcaggca	420
tctgttttac	ctcagttcct	ttttagaaac	ctggaaatca	ggagccccgg	cttttatgct	480
atagcaagtt	tgacacttgc	tgtatcaaaa	atattgcttg	aggatcacta	cgtagaaaga	540
gttttgttta	aaattttatg	aaaggctggt	taggcaggca	gacaatgggt	tctaaggcaa	600
gatccagtg	aaatcaggca	atgtgctggt	tcccaactgt	tgactcctc	agttcatatt	660
ctgaaaccgg	ggggcggttg	acaaaaccca	ctgtttcagt	taattaggca	tcctgtcaaa	720
tctttccaat	caaggactag	gcatgctgca	cctggctcta	ggtttaaaaa	acacattgtg	780
gggggcaatt	ctgatgtgac	cctcaggggc	ccgctggcca	tgctcagaac	tggcattcag	840
cgtgcatgcc	ataattacca	tccacacaaa	ataagtagac	ctccttgctc	agcagctctg	900
agagattctg	cctaactcta	atgacctgcc	acaccatttt	aacttctttg	ataaatgtct	960
atccttgatg	tttagacctt	tcctctcctg	ttaaagaagg	atctcttcct	gggacagaag	1020
actcctcaga	agtagaatca	ctgtagaaat	aaagcaaatg	aaaaatggag	aagcaaaaac	1080
caaagtaaaa	cagaagcctt	aacagccctc	tccccagcag	gagcttggtg	gaggaggtgt	1140
gggtgctgag	tccccctcc	ctagcttgct	ttgccctcag	tgctctgggt	gcttttgctt	1200
ttccaggtag	tgcccttggt	gtagaggcca	tggctcctga	tgtacgtgat	gacagcatcg	1260
ggaatcagg	actttacgct	ctgcccttg	cccaaggctc	gcctgatgta	tgtggcactg	1320
atctcattct	gcacaggctc	cttggccagg	tgaatgttgt	gctgggtgcat	ccgtaggatg	1380
ggagattctg	cgatgtaacc	ttttgggtcg	tgacctactc	ggccccacgca	caccaagcca	1440
aacttctcca	ctatttctcg	gatgtgcgca	tccttccaga	ggttgggggt	ctggaagggtc	1500
ttcaagacgt	ctgccccaca	gagaagcttc	agctcaggca	cagctgcagg	ggtcgagaag	1560
agtgccttgc	catggtctgg	gccttccatc	tgggggtggag	atctgagcag	tttgctgtga	1620
tgatgcctca	gcaccttcac	tgtctccatc	cactgtgcct	gctcactctc	ccaaggggtcc	1680
accgggatcc	agtcggatgt	ctgcagggcc	agccggggcca	tggccactcg	gtgatgagaa	1740
gctgcgaggt	ctttcttccc	atagggtgtcg	ttgacaggag	agatgatacc	ctggatgacc	1800
tggtacattc	ctgttttggtg	taggtgatct	ctggccacct	caaacatgcg	cagggtgcatg	1860
ttggtgatgg	ggttaaagga	gccacaggcc	aggagcacca	cagggtattcg	gctcttcac	1920
ttgtcaggca	catccacacc	tgttgacagt	caagtgcaa			1959

<210> 5033

<211> 498

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(143)

<223> similar to gil872200 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5033

tttttttttt	ttagtagaga	tggggttttg	ccatgttggc	cagggtggtc	tcacactcat	60
aggctcaagt	aatctgcccg	cctcagcctc	caaaagtgct	gggattacag	gcgtgagcca	120
ctgtgcccgg	cctgacttca	aatcctgtgt	tgaatagaag	tagtgagagc	gggcatcctt	180
ctcttgttcc	tgatcttgga	ggcaaagatt	tcagtctttc	atctaaaatg	actgaaagac	240
tttcagccat	gggccttgca	tgactggcct	ttattttgtt	gcagtatat	ccttctcttc	300
ctggtttgtg	gagtgtttta	ccaggaaaag	gtgttcaggc	tgggcacagt	ggctcaagtc	360
acacaaaagt	gtcaagtcag	ccctgcccac	gggccccagt	gcccattctt	ctgctgaggg	420
gctgggcctc	accttggtcg	gctgggcccc	tcccacctgg	atccctgcag	acccaccgcg	480
actcagcctc	acacgaaa					498

<210> 5034
 <211> 1349
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1351)...(332)
 <223> similar to gi687827 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5034						
ggcagtcctgc	tgacccttg	aagatgaagg	agaaatggga	gaaggcagag	gggtcaggtg	60
ggggctgcca	gaggaagcgg	ccctgagctg	ctgggtccca	gtccctccct	cataagcaaa	120
gctgaggccc	tcagggttacc	acgggacact	gttaagttta	ttctaggggtg	agtgggtgcc	180
caagggggggc	agtgagtatg	gccgaggtca	cttggtggca	gggtgctcag	ggatggccac	240
aggttctata	gggccctgca	gggcctgagt	ctctagtcag	ttgggatgct	tcaccttctg	300
ccccaccca	agggggttg	ggcagtcag	gatgtagtag	ttttcgtaat	tcgcagggat	360
cagtgatggg	cactgagcag	gcttgattct	cacacacata	tgcagtggcc	tggctctcca	420
accgtcggag	ggtactcagg	aaaggcagct	ggcgggacag	gaagctcgag	gggtcccat	480
cagccagaat	cagcaccttg	ttaggaatgt	agacagagtg	gacgcactgc	accagggcct	540
tggtgtcctt	ggcctgacgg	tctccacaga	tcacgatctg	cttgaggggtc	tgctgctggg	600
ctgagagggc	gcggaccatc	tcgggcaacg	ccaccgggac	acgacgcatg	cgctcggaaa	660
aggcgggtcaa	taggcacaca	cacttggtcca	tccagtcctt	gtggcccgtg	aagccatgca	720
gccggagcag	ggtgtgggct	gacacggaat	tggcgctggg	ctctgctcca	tcctgggtcg	780
ccttcagacg	caggggcagg	ccagccccc	gctcagcctc	actgcagaag	tagccgccac	840
cctgggagtc	ccaaaagagc	ctgtcctgtg	tgtcctgcag	ccgcagagcc	cactcgagcc	900
acgcactctc	ctgtgaggcc	tcatcacagg	ccagcaggcc	ccgcaccacg	aaggcgtagt	960
cctccaggaa	gccccagcag	ggtgggttgc	tgtgctccac	agtcccccca	gggcccgtgt	1020
agcaggtccg	catcaggcgg	ccactggcca	catcaaact	gtgccgcttc	aggaacttgg	1080
caccattggt	ggcatagttg	atcagcctgt	cttggtccag	gacagcccca	gtcacagcat	1140
agcctgacac	catcaagcca	ttccaggcag	ccagcatctt	gctgtccagg	tgccggcttg	1200
gccgatgctt	ccgggcctgg	aagagcttct	ccagccctga	attgagcaag	gtccgcacgg	1260
cctccacatc	caagccaaag	cgggcagcag	tcagctccag	cgagtaccgg	acggtcagca	1320
cattctggcc	ctgcagctcc	cccttgggg				1349

<210> 5035
 <211> 1911
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1912)
 <223> similar to gi3882283 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5035

gagccatcca	tcggggagtt	taatgagcag	gttctgcgac	tgatgcacag	ccttggaata	60
gatcagcaga	aaaccattga	gtctttgcag	aacaagagct	ataaccactt	tgctgccatt	120
tatttcttgt	tgggtggagcg	cctgaaatca	catcgagca	gtttcccagt	ggagcagaga	180
cttgatggcc	gccagcgctcg	gcctagcacc	attgctgagc	aaacagttgc	caaggcacag	240
actgtggggc	tcccagtgac	catgcattca	ccgaacatga	ggctgctgcg	atctgccctc	300
ctcccccagg	catccaacgt	ggaggccttt	tcatttccag	catctggctg	tcaggcggaa	360
gctgcattca	tggagaaga	gtgtgtggac	actccaaagg	tcaatggctg	tctgcttgac	420
cctgtgcctc	ctgtcctggt	gcggaaggga	tgccagtcac	tgcccagcaa	catgatggag	480
acctccattg	acgaagggct	ggagacagaa	ggagaggccg	aggaagacc	cgctcatgcc	540
tttgaggcat	ttcagtccac	acgcagcggg	cagagacggc	acactctgtc	agaagtgacc	600
aatcaactgg	tcgtgatgcc	tggggcaggg	aaaattttct	ccatgaatga	cagcccctcc	660
cttgacagtg	tggactctga	gtatgatatg	gggtctgttc	agagggacct	gaactttctg	720
gaagacaacc	cttcccttaa	ggacatcatg	ttagccaatc	agccttcacc	ccgcatgaca	780
tctcccttca	taagcctgag	acctaccaac	ccagccatgc	aggctctgag	ctcccagaaa	840
cgagaggtcc	acaacaggtc	tccagtgagc	ttcagagagg	gccgcagagc	atcagatacc	900
tccctcaccc	aggggaattgt	agcatttaga	caacatcttc	agaatctggc	tagaaccaaa	960
ggaattctag	agttgaacaa	agtgcagttg	ttgtatgaac	aaataggacc	ggaggcagac	1020
cctaacctgg	cgccggcggc	tcctcagctc	caggaccttg	ctagcagctg	ccctcaggaa	1080
gaagtttctc	agcagcagga	aagcgtctcc	actctccctg	ccagcgtgca	tcccagctg	1140
tccccacggc	agagcctgga	gacccagtac	ctgcagcaca	gactccagaa	gcccagcctt	1200
ctgtcaaagg	cccagaacac	ctgtcagctt	tattgcaaag	aaccaccgcg	gagccttgag	1260
cagcagctgc	aggaacatag	gctccagcag	aagcgactct	ttcttcagaa	gcagtctcaa	1320
ctgcaggcct	attttaatca	gatgcagata	gcagagagct	cctacccaca	gccaagtcag	1380
cagctgcccc	ttccccgcca	ggagactcca	ccgccttctc	agcaggcccc	accgttcagc	1440
ctgacccagc	ccctgagccc	cgtcctggag	ccttcctcgg	agcagatgca	atacagccct	1500
ttcctcagcc	agtaccaaga	gatgcagctt	cagcccctgc	cctccacttc	cgggtcccgg	1560
gctgtcctc	ctctgcccac	gcagctacag	cagcagcagc	cgccaccgcc	accaccccct	1620
ccaccaccac	gacagccagg	agctgcccc	gcccccttac	agttctccta	tcagacttgt	1680
gagctgcaa	gcgctgcttc	ccctgcgcca	gactatccca	ctccctgtca	gtatcctgtg	1740
gatggagccc	agcagagcga	cctaacgggg	ccagactgtc	ccagaagccc	aggactgcaa	1800
gaggccccct	ccagctacga	cccactagcc	ctctctgagc	tacctggact	ctttgattgt	1860
gaaatgctag	acgctgtgga	tccacaacac	aacgggtatg	tcctggtgaa	t	1911

<210> 5036
 <211> 1976
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (8)...(1108)
 <223> similar to gi3560166 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5036

tttcgtcaag	agtggagatg	acccaccggc	catgagacag	ggcagtgagc	acacgtatga	60
gagctgtggt	gacggagtcc	cagccccgca	gaaagtgcct	ttccccacgg	agcgactgtc	120
tctgaggtgg	gagcgggtct	tccgcgtggg	cgcaggactc	cacaaccttg	gcaacacctg	180
ctttctcaat	gccaccatcc	agtgccttgac	ctacacacca	cctctagcca	actacctgct	240
ctccaaggag	catgctcgca	gctgccacca	gggaagcttc	tgcatgctgt	gtgtcatgca	300
gaaccacatt	gtccaggcct	tcgccaacag	cggcaacgcc	atcaagcccg	tctccttcat	360
ccgagacctg	aaaaagatcg	cccgcacttt	ccgctttggg	aaccaggagg	acgcgcatga	420
gttcctgcgg	tacatttttt	ttgccatgca	gaaagcctgc	ctgaatggct	gtgccggggt	480
ggatcgtcaa	acgcaggcta	ctaccttggg	ccatcaaatt	tttggagggt	atctcagatc	540
acgcgtgaag	tgctccgtgt	gcaagagcgt	ctcggacacc	tacgaccctt	acttggacgt	600
cgcgtggag	atccggcaag	ctgcgaatat	tgtgcgtgct	ctggaacttt	ttgtgaaagc	660
agatgtcctg	agtggagaga	atgcctacat	gtgtgctaaa	tgcaagaaga	aggttccagc	720
cagcaagcgc	ttcaccatcc	acagaacatc	caacgtctta	accctttccc	tcaagcgctt	780
tgccaacttc	agcgggggga	agatcaccaa	ggatgtaggc	tatccggaat	tcctcaacat	840
acgtccgtat	atgtcccaga	ataatggtga	tcctgtcatg	tatggactct	atgctgtcct	900
ggtgcactcg	ggctacagct	gccatgccgg	gcactattac	tgctacgtga	aggcaagcaa	960
tggaacgtgg	taccagatga	atgattcctt	ggtccattcc	agcaacgtca	aggtgggttct	1020
gaaccagcag	gcctacgtgc	tggttctatct	gcgaattcca	ggctctaaga	aaagtcccga	1080
gggcctcatc	tccaggacag	gctcctcctc	ccttcccggc	cgcccagagt	tgattccaga	1140
tcactccaag	aagaacatcg	gcaatgggat	tatttcctcc	ccactgactg	gaaagcgaca	1200
agactctggg	acgatgaaga	agccgcacac	cactgaagag	attggtgtgc	ccatatccag	1260
gaatggctcc	accctggggc	tgaagtccca	gaacggctgc	attcctccaa	agctgccctc	1320
gggggtcccct	tcccccaaac	tctcccagac	acccacacac	atgccaaacca	tcctagacga	1380
ccctggaaaag	aaggtgaaga	agccagctcc	tcacacagcac	ttttccccca	gaactgctca	1440
ggggctgcct	gggaccagca	actcgaatag	cagcagatct	gggagccaaa	ggcaggggctc	1500
ctgggacagc	agggatgttg	tcctctctac	ctcacctaag	ctcctggcta	cagccactgc	1560
caacgggcat	gggctgaagg	ggaacgcagc	gagcgtggc	ctcgacagga	ggggctccag	1620
cagctccagc	ccagagcact	cggccagcag	cgactccacc	aaggcccccc	agacccccag	1680
gagtggagcg	gcccattctct	gcgattctca	ggaaacgaac	tgttccaccg	ctggccactc	1740
caaaacgccg	ccaagtggag	cagattctaa	gacggtgaag	ctgaagtccc	ctgtcctgag	1800
caacaccacc	actgagcctg	caagcaccat	gtctcctcca	ccagccaaaa	aactggccct	1860
ttctgccaaag	aaggtgggtg	tgtgggggtc	tcgccgctgc	tgtgtatcaa	gagagctcca	1920
agagttgctt	ggttgtggtt	tgaagggagt	gagaacattg	tccgggggct	ttggcg	1976

<210> 5037
 <211> 418
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (7)...(368)
 <223> similar to gil469868 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5037
tatttcgtct ccctgcaggt ggaggtagaa tcgaggaaca gtccggagaa ggaggagcga 60
gtgcctgccg aggagatcac ctatgagaca ctgaagaaag ccattgtgga cagcgtagca 120
gtggaggagc aggagcgtga gcggcgggcg cagggtgttg agaagttcca gaaggcacc 180
ttcgaggaga ttgtgcaca ctgcggggcc cgggcatcgc tgctccagag caaactcaat 240
cagatctttg aaatcaccat ccggccccc ccaagcccat caggaacat cactgcagcc 300
tacggtcagc cgcagaacca ctccatcccc gtctacgaaa tgaagtttcc cgatctgtgt 360
gtatactgaa ttccaagagc ctgagctcct caaggagatg gggcttgagg aggggctc 418

<210> 5038
<211> 1240
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (1108)...(126)
<223> similar to gil213541 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5038
tttttttttg ggaagaatgt gtcattttct gaatcccttc tccactgacc cactttccat 60
ccctccacac aacttcagta ggttgatggc ttctactggc ccaggcccct tgacccagc 120
tagggcctca gggactttcg ggccttttcc aaaatttcc cctgatctt ggggtagtcg 180
gggtgctccc tgaggacatc gttgcagatt tcgatggcct ccacaaattt cttgtccttc 240
aggtagttga aagcaagttt gaagccaatg gcagggttg cgtgatgact gtacttccag 300
gccagtttgt agttggtgac tgcattcctg taggactgct ctttctccat gatgaagccc 360
atgtactcat aggccttgta gcaggacttg ttgtattgca cacagcgccg cagcagttct 420
aaggcgagggt cgaacttgct gccctggcag taaatgtcag ccagcaggag ccagctcttc 480
tccaggctct cagcctcact cagcaccag ggggtcttg ccaggcgctt caactgcata 540
cgcgccttg ggatctgctt caggaacacg taggcttggt ccaaggccag cagggcaggg 600
acgctgtcct tctcagcctg cgctatctgg atgaagctgc ccagcgagc ctccatgtta 660
gccttctccc tgggtggcag ccggcagagg ccctgcagca gccgcagctg ggtctggctg 720
gagtcgtaat gtgggtaaaa ctcacgcagc agtttctcgg cgggtgctcac accctgctgc 780
tccaactcct tcttctccat gtagttgctc tcagctccct ggttctcaa agcctctccg 840
cccacaacct cgttgtctgg attcagacag atctgcacca tgtggtagat ggcgctctgg 900
ccccaaagtgc tgtccttgcg tgccttggtc aggaacttta aggcttcgtt gggctgcct 960
atgtgccagc agtagatacc tctgcagtaa ttgaacctg gttccaaagg caccggcta 1020
gacaccttct tggccaattc aaagaaggca ggaatgtctt caagttttcc acttcttctt 1080
agcagatcga ttaatttatg caataccaaa aaattgtcta aaataagaga cagaaatctc 1140
caggctgaaa tgccagtag ctgttatcag atgagggtgc tggggcctta ggagaagcca 1200
agagatactg cccatctggg ctgagcaggg acattccaac 1240

<210> 5039
 <211> 1780
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (13)...(617)
 <223> similar to gi5824481 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5039

cggtggaatt	cgatggatgc	ctgcaacagc	tacagcaagc	tgaattgctt	agtggcgccc	60
acactcttcc	tggagttcca	tggctcccag	caggcactgg	aggagcagct	gcagcgca	120
gaggagatag	tccagcagaa	cggagcctct	gacttctcct	gggccaagga	ggccgaggag	180
cgcagccggc	tttgacagc	acggcacaa	gcctggtacg	cagccctggc	cacgcggcca	240
ggctgcaagg	gctactccac	ggatgtgtgt	gtgcccactc	cccggctgcc	ggagatcgtg	300
gtgcagacca	aggaggatct	gaatgcctca	ggactcacag	gaagcattgt	cgggcatgtg	360
ggtgacggca	acttccactg	catcctgctg	gtcaaccctg	atgacgccga	ggaactgggc	420
agggtaagg	cttttgaga	acagctgggc	aggcggggac	tggctctcca	cggaacgtgc	480
acgggggagc	atggcatcgg	aatgggcaag	cggcagctgc	tgcaggagga	ggtggggcgc	540
gtgggcgtgg	agaccatgcg	gcagctcaag	gccgtgctag	acccccaagg	cctcatgaat	600
ccaggcaaag	tgctgtgaag	gggtcttgag	cacttagccc	acaagttccc	tgactacgga	660
gccggttctg	gaacttttct	tcatgccacg	gcccctgcaa	ggaaatagat	gctgaggcag	720
tcttcctgcc	agcgagccca	ctgtatctgg	gcccaggccc	agagggccca	gagagaagcc	780
tgagcacggt	gttacctccc	tggccctctg	gctggccccc	aggagccttt	ggttcaagta	840
aacgacccca	gggtgggtcc	ccagcaaagc	tgcttctctc	ctgctcctac	gcacccctgtc	900
ctggcgggaa	gagagcgtct	gggtccattc	aagactctga	tgacacccct	ccccgaggcc	960
tccactgcc	gggttcccag	gaccttccc	ccttcacctg	gtgacaggaa	cactcctttc	1020
ctggtatgga	acgtgagctc	ccgtgacatg	atgataggtc	ttctccttgg	ggcctcccc	1080
aataaatctg	taataaacct	gaaacccacc	tacagctacc	tggaaagtcag	caggcagcac	1140
ttcctccct	ccccctccag	ggtctctgtc	ctttggtcag	tgaccccttt	gttttggggc	1200
tgtcctctga	cttcttatag	cctggggagg	aggttgggtg	tcagggttcg	gaaaggaacc	1260
caggctccctg	tcccagctac	tccgcctcag	agctgaggac	ctgcccacgg	cacatgtcac	1320
tcaggatggg	ctccccaa	gggcctgaac	cgggcctctg	aacacactga	atgtgttcct	1380
cagcagctgc	cacgtctcta	gaaacagaga	tgagactatt	tttgaccca	cctcttcacg	1440
gggtgatgta	tcgtaccacc	agctgttttg	ccctcaagg	ctgtccaccc	gagggcctgc	1500
ccctgtcttg	ggccggagcc	cgtcttgaga	ccttggcagt	tgttcccccc	taagcccaca	1560
ggagggcgcc	cgaatcatg	aagctcagat	accacgcggc	atctgcagct	cacgactcct	1620
ctgcccaggg	cctgcggcac	tcagccctgg	gcaaacctcc	tcctatgggtc	aggtaagtcc	1680
tggcagcctg	gaagccaagc	tagtctcca	tccctgcag	gtcccaggaa	cctgcagtgc	1740
tgtctcatct	tccttgcccc	tctagccttc	ggtccctttg			1780

<210> 5040
 <211> 421
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (16)...(170)
 <223> similar to gi3341906 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5040
 ctcgcaggcc gcaaggtgct gctcttcgtc tcaggctacg tcgtgggctg ggggtcccatc 60
 acctggctgc tcatgtctga ggtcctgccc ctgcgtgccc gtggcgtggc ctcagggtc 120
 tgcgtgctgg ccagctggct caccgccttc gtctcacca agtccttcct gccagggggg 180
 gtgagtgttc agccccaggc cccaggcccc taggccctct ctgactggcc aggacccttc 240
 tcagtgccag gggctgtgcc aaggcctgct gtcaggaccc taactctcag tgaccctagg 300
 agatgagcac acacccctg aactcagaga cccagagtg gtcacgtgat agcctagcaa 360
 acgctcttca ttataagaaa caggaacggg cgtatgcaac tgctctggta agtcagggtta 420
 g 421

<210> 5041
 <211> 628
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(549)
 <223> similar to gi2289244 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5041
 cagtatatcc ggtgctcttc gaactggtgc ttatatggtg tacattttga tgaccaaagg 60
 cctgaagcag tcagtttgtg accaggggtt ttacaatgga cctgtcagca aattctgggc 120
 ttatgcattt gtgctaagca aagcaccoga actaggagat acaatattca ttattctgag 180
 gaagcagaag ctgatcttcc tgcactggta tcaccacatc actgtgctcc tgtactcttg 240
 gtactcctac aaagacatgg ttgccggggg aggttgggtc atgactatga actatggcgt 300
 gcacgccgtg atgtactctt actatgcctt gcggggcgga ggtttccgag tctcccgga 360
 gtttgccatg ttcatacct tgtcccagat cactcagatg ctgatgggt gtgtgggttaa 420
 ctacctggtc ttctgctgga tgcagcatga ccagtgtcac tctcactttc agaacatctt 480
 ctggtcctca ctcatgtacc tcagctacct tgtgctcttc tgccatttct tctttgaggc 540
 ctacatcggc aaaatgagga aaacaacgaa agctgaatag tgttggaact gaggaggaag 600
 ccatagctca ggggtcatcaa aaaaaaaa 628

<210> 5042
 <211> 850
 <212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (851)...(538)

<223> similar to gi5902966 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5042

cagtactcca	atcaacat	atgtgcagga	tcatcaacag	acagaccatt	ttacagtttt	60
cagaattaaa	gtcttctagt	tgcagtgaag	tcttgaatct	ggatcacctg	gattcatgca	120
agatggcaca	gggtgcttgt	catcatctac	atatagagtt	agcttttttt	gcccatgcac	180
aatgtttctt	tatcaataat	gaagctggat	gataccaaat	agattctatt	gctttattga	240
ttattacttt	cattaaacaa	tgtagccat	ataggatgat	taaaaaaaca	actaatatcc	300
ttggaatatg	aacatcctat	taactgatac	aaactgactc	cacctttctt	atagcagtga	360
attttcaggt	cacatacaat	cagtaattta	tactccaaat	acaacaatca	cgtttgtatt	420
aatcatccag	tacaattcac	aggttcctat	tacacaggtg	gatgtactta	gagagtttta	480
gcacaaaagc	tgatacaaat	atgaaagtgt	gctcagtcga	atgggttagtg	aggtgctaca	540
ggtgagtgtc	ggcgatgggt	atcctcctga	gctccacgat	ctgggagtc	gtcaaggtgc	600
ccccctcctg	gctgccttga	ccagattcat	tatcactgac	actgagacca	gcaccagttt	660
ttaatgcaaa	tattaaatca	tcaaactcct	gggactcctc	atcggctatc	agtgaccctt	720
ggccatatcc	tccagaggac	gggaacgtgg	ctccattttg	tggacttggc	tttaaatcag	780
ggctggcctg	actgccctgt	tggaaggatg	ctctctccca	gtcaggtggc	acctcctcca	840
tagcaccgat						850

<210> 5043

<211> 820

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(522)

<223> similar to gi297402 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5043

cttgacatgg	ccccagctct	tccctggagac	cctgccggag	ctcctgcaca	tgtcccgcct	60
agcagaggat	ggaccagcc	ctggggccct	ggtgcggagg	agcagctccc	tgggatacat	120
ctccaaggcc	gaggagtact	tccctgctcaa	gtcccgcagt	gacctcatgt	tcgagaagca	180
gtcagagcgg	catgggcttg	ccaggcgctt	caccactgca	cgccggcccc	cagcaagctc	240
tgagcaggcc	cagcaggaac	tcttcaatga	gctgaagcca	gctgtggatg	gggcaaactt	300
cattgttaac	cacatgaggg	accagaacaa	ttacaatgag	gagaaagaca	gctggaaccg	360
agtggcccg	acagtggacc	gcctctgcct	gtttgtggtg	acgcctgtca	tgggtggtgg	420
cacagcctgg	atcttctctg	agggcggtta	caaccagcca	ccaccccagc	cttttctctg	480
ggacccttac	tcctacaacg	tgcaggacaa	gcgcttcac	taggggtggg	ctgttgggga	540
gccaggagac	agcagggtct	gagagaggag	ccacagtccc	taatgacacc	cactcctagc	600

<223> similar to gi200785 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5045

```

agctgcacca ctagaaagat ggcggagcaa gagcaaagaa aaatcccttt ggttccagaa      60
aatctcctga aaaagaggaa ggcttatcaa gccctcaaag ccaccaggc aaagcaggca     120
cttttggaag agaaggagca gaagaaagga aaagggctca ggtttaagcg actggaatca     180
ttcctacatg attcctggcg gcagaaacgt gacaagggtg gtctcagacg actagaagtg     240
aaacctcatg ccttggaatt gccagataaa cattccttgg cctttgttgt acgcatcgaa     300
aggattgacg gcgtgagttt actggtgcag agaaccattg caagacttcg cctaaagaaa     360
attttttagtg gtgtctttgt aaaagtcacc cccagaatc taaaaatgct gcgtatagtg     420
gaaccttatg tgacctgggg atttccaaat ctgaagtctg tccgagaact cattttgaaa     480
cgtggacaag ccaagggtcaa gaataagacc atccctctga cagacaatac agtgattgag     540
gagcacctgg ggaagtttgg cgtcatattg ttggaagacc tcattcatga aattgccttc     600
ccagggaagc atttccagga gatctcatgg ttcttgtgcc ctttccacct ctgagtgcc     660
cgtcatgcta ccaaaaatag agtgggcttc ctcaaggaga tgggcacacc tggctatcgg     720
ggtgaacgca tcaatcagct catccgtcag ctgaactaga cccagggtgcc aaactgcggt     780
aaatttttta tcagtgaagt ggaagcatgt gttttgtttt ggaaattttt atcaagtatc     840
ttcagagaag attatttcct gctttatctt cagaaactgg aaaggggtcaa agaaaagaca     900
gtagctggcc ggctcgtggtg gctcatgcct gtaatcccaa cacttaggga ggctgaggtg     960
ggcagatcac ctgaggttgg gagttcgaga ccagcctgac caacatggag aaatgccatc    1020
tctactaaaa atacaaaaat tagccgggca tgggtggcacg tgcctgtaat cccagctact    1080
caggaggctg aggcaggaga atcgcttgaa cctgggaggt ggaagttgca gtgagctgag    1140
atcacgccat tgcaactccag cctgggcaac aagcgaaact ctgtctcaaa aaaaaagaaa    1200
agacagtagc atatgttcat gtcaagcacc tctcatcaca gtcgagttcc aaggaaaaat    1260
tccagcgttt tctgcattgg gtgctgtgtc atctgaaatc ggcacattcc atggaggaag    1320
gagtcctgct ttgttgcatg tatcctaggg tttaatgttg gtaaatgagt cactctagca    1380
tttgtagaag gctccctgag actcctgcag cagtcgacca agcccaagga cataattgaa    1440
tctggagagt cctggggcct tgttttgaaa aagacttgaa atacacatag gaagaaaggc    1500
ataaaaaata atgttcactt gtctctgctg tgagtatgtg ttccaacttt tcagtgatgg    1560
ctttgagaat tctcaaactt gactggctct aagtgtatct ggtggctttt gtatcgtaac    1620
ctgaaactgg cttagtactt tttcctaaaa gctcaggatt tgagaatgag gacccttcg    1680
ccaggaaaac atgtatacac tcaaaatttt gcttgagatt ctagggtgtt tagacccttc    1740
tcagatacct gtgcatctta tgggttttgt ttttctcttt gagacagtct caccctgttg    1800
cccaggctgg agcgcagtgg cgtgatctcg gctcattgca gcctccacct cctgggttca    1860
agtgattctg cctcagcccc ttgatcagct gggattgcat gcatgtacca ccacaccgg    1920
ctaattcttg tatttttagt agagatggag acagagtttc accatgtagg tcaggagttc    1980
gagaccgg                                     1988

```

<210> 5046

<211> 1346

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(706)

<223> similar to gi2636482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 5046
ggtggtggaa ttcgcggatg tggagaagaa aggtgctggc aggacagagt tccgctaccc 60
ttcctatgtg cagcacatca tgggggacat attctcccag ggatttgggc ctttccgctg 120
ggtgtgcaca tcgggggacc cccaggacct ggcggtcaca gacgaactgg ccacatctgt 180
gctggaggaa gccattgctg atggagttaa ggtgtctgtg aagctgcagt acatggacaa 240
catccgctgg atccgggagg ccgccaggca ccggtctgtg gtgggctccc aggcaaggat 300
cctgtactca gaccagaagg gccgcgtggc catcgctgtg gccattaacc aggccatcgc 360
ctgcaggagg atcaaggcgc cgggtgtcct gagccgagat caccatgacg tgagcggcac 420
cgacagcccc tttagggaga cctccaacat ttacgacggc tctgccttct gtgcagacat 480
ggctgtgcag aacttcgtgg gagatgcctg tcgcggagcc acctgggtcg cccttcacaa 540
cgaggggggg gtgggctggg gtgaggtgat caacggggga ttcggcctcg tgctggacgg 600
taccgcggag gccgagggga gagccaggct gatgctcagc tgggatgtct ccaatggtgt 660
ggccccggcg tgctggtcag ggaaccagaa ggctatgag atcatctgcc agaccatgca 720
ggagaacagc accttgggtg tgacactgcc tcacaagggtg gaggacgagc ggggtgctcca 780
gcaggccctg cagctctgag ggagccagga gtcgcggccc ctgcctccct tcctccctgg 840
cgatcctcac ctgcccagcc atggcacaca cccttcctgc acaccgcac tacctgcaact 900
tctcgacat cctcacgtgg cccttatggt gccctgtgca gggtgccacc acagcctcat 960
tttacagaca gccccctgag gccagagac atgcagctct ctgtccacaa ccatgccact 1020
tgcatgggag ccctgaaggc tgtcaaagtc catttagggc caagtcccaa gcctgcccgg 1080
gggcccctgc gtgaacactg gtcaagctct ctccggctgg gatgatcaca ccctctgctt 1140
cctggccacc tgccagcctc catgcaactc tgtctgtctg ctgcccattct gctgtctgtg 1200
caagcaactt ctggaccctg gcaaccctggg ctgctggcct ggaggagtgc ggggaaggagg 1260
atagaccagg aaataaaggg tcaacagagc tgtgtgctgc actgtgggct ggtgggacgg 1320
ggcaggccgg gtcttgccct aggata
1346

```

```

<210> 5047
<211> 672
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(656)
<223> similar to gi2781386 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5047
tcctgtggtg gaattcgagg cccacctggg tgacaccttg atcatcaagt gtgacaccaa 60
gcagcaaggg atgaccaagg tgtgggtgac accaagtaat gaacgggtgc tagatgaggt 120
gaccaatggc acagtgagtg tgtctaagga tggcagctct cttttccagc aggtgcaggt 180
cgaggacggg ggtgtgtata cctgctatgc catgggagag actttcaatg agacactgtc 240
tgtggaattg aaagtgcaca atttcacctt gcacggacac catgacaccc tcaacacagc 300
ctataccacc ctagtgggct gtatccttag tgtggctcctg gtcctcatat acctatacct 360
cacccttgc cgctgctggg gccgggggtg agagaagcct tccagccatc aaggagacag 420
cctcagctct tccatgctta gtaccacacc caaccatgat cctatggctg gtggggacaa 480
agatgatggt tttgaccggc ggggtggcttt cctggaacct gctggacctg ggcagggtca 540
aaacggcaag ctcaagccag gcaacacct gccagtgcct gaggccacag gcaagggccca 600

```

acggaggatg tcggatccag aatcagtcag ctcggtcttc tctgatacgc ccaattgtgt 660
gtgagcagga tg 672

<210> 5048
<211> 1732
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (320)...(525)
<223> similar to gi4235356 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

09488725.04100
<400> 5048
tttttttttt tttgcgaaag aacagaagag tataatgttc aacatgcagg gaaaaaata 60
acaatacata tttcagaaat aggagcagct tcagtgcagg cagtatcatg gcagccactc 120
cacgggagga acgggatcct ctgccaacct tgtcagccac tccaactaag cagctgctgc 180
accaggtgtg ttgctgctgt ctttctaagg gttcaagaac atgggctctg gggtcatatg 240
gcctgcgttc acattccagc tccattcata gcctgcatga cctttagcac atgtcttggc 300
ttctctgcct caatttcccc atctcatgga cctgctggcc aaggacgacc agaatggcga 360
ggcggaggcc ttcaaggcag agatcaagaa gaccgacgtg aaagaggaga agaggaagaa 420
ggagctgaac gaaatcttga aaagcacagt gagcagcaac gacaagaaaa ccaaaggccg 480
gacgggctgg ccgcagcacg tctgggcctt ggagctcaag cagtgaggag gaggagaagg 540
aggaggagga gagcgcgagt gagcaggggc caaggcgcca gatgcagacc caggactccg 600
gaaaagccgt ccgcgctccg ctctgaggac tccttgcatc tggaatcatc cggtttattt 660
atgtgcaatt tccttcccc ctctttgacc ccctttgagg catctgctcc ccgtctcccc 720
ctccaaaaaa aaagtggata tttgaagaaa agcattccat attttaatac gaagaggaca 780
ctcccggtgtg gtaagggatc ccgtcgtctc atagattctg tgtgcgtgaa tgttccctct 840
tggctgtgta gacaccagcg ttgccccccg ccaacctact caacccttc cagataaaga 900
cagtgggcac tagtgcggtt gtgaagtgtg tctttaatac ttggcctttg gatataaata 960
ttcctgggta ttataaagtt ttatttcaaa gcagaaaaca gggccgctaa catttccggt 1020
ggggtcggta tctagtgtga tccattcatc tgtggctcgtt ccctctttga agatgtttcc 1080
aacagccact tgttttgtgc acttccgtcc tctaaaacta aatggaattt aattaatatt 1140
gaaggtgtaa acgttgtaag tattcaataa accactgtgt tttttttttt acaaaaacct 1200
taatttttta atggctgata cctcaaaaaga gttttgaaaa caaagctgtt atacttgttt 1260
tcgtaatat taaaatattc agaagttaac taaattatca tgattgcctc taactttatt 1320
ttaaagactc agtgggttcc aaccagttca ccctgacctg cggcctacgc agaagggagg 1380
gaggggtgctc ttaaagagga aggtgtcctt gttacaaaat cctgcaaata ggtctggggg 1440
tttgtcgggt gtgggtgtct ccttccccctc ttccccccag ctgggggaac ggctggagta 1500
ggtctctaga aggaagatct gggctggaga acccagtcgg gcagttcgct cagaaggtgt 1560
aaaggtgctc ttggctttcc tgaagtcaat cagaagccat ttcttgaggc cgtcagtttt 1620
tgtttggaga gtgtttctgg tggaggagtt gtgaggagaa ccccggcatt attgctgcaa 1680
cggaactag tctggggtgt ttaattcaaa ctatggggct ttcattcaaa aa 1732

<210> 5049

<211> 1223
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(365)
 <223> similar to gil98609 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5049

gcctcacagt	acatcagcga	actcacacag	gggagaactc	ctttgaatgt	aataaatgtg	60
ggaaaacatt	ttactataaa	tcaggcctca	ctaaacatca	gagaaaaacac	acaggggaga	120
agccctatga	atgcacagaa	tgtggcaaat	cttttgctgt	gaattcagtc	ctcagattac	180
atcaaaggac	tcacacagga	gagaagccct	atgcatgcaa	ggaatgtggg	aagtcctttt	240
ctcagaagtc	acattttatt	atacatcaga	gaaaacacac	agggggagaag	ccctatgagt	300
gtcaggagtg	tggggaaacc	tttatccaga	agtcacaact	cactgcacat	cagaagacac	360
acacaaagaa	gaggaatgct	gagaagtaag	atgagttggg	aaattctctt	gactgaatta	420
atccttcaaa	acaatcagat	aattcacaca	agaggtacac	cttatgaatc	gcatcaatag	480
agggaaatth	tcagctacaa	tctttgctct	ctctgtgtat	cagcaaatac	atagagagat	540
tctgtacatt	tatttgaggag	aaaattttat	catatttttag	gcttttctaa	atattagata	600
atatagatgg	cagaagtcac	gcaaattgta	aaacaggaag	gaaacctttc	agaagtcata	660
cttttgthtt	gcaacataga	agtcacacag	gagaaaaatc	ctgtaagtaa	aacgaatgtc	720
atgacattht	ctgtcagggc	agccagctgt	agacatccaa	aagctcacia	atgagaagct	780
ccttgagtat	ctagaaatct	ctttacacaa	ttggagctca	tgtactagag	aattcaaagg	840
gataactgca	aagacactgg	tagatataga	agcctttatt	aagaattgat	gtttcattca	900
atttcagatc	actggtactt	ggatagatat	tttaaattat	tgggaagggt	tcaataaaaa	960
ttcaaataat	ttgtactgag	ggaaacagtt	atactacaaa	tcattgttgca	gatctgatgc	1020
cgagattgct	ctatttttaa	aggaaacctg	caaattgtcta	catatatgaa	gcttttaaaa	1080
agcacaagtt	atcaggcaac	atcattaaac	atacattaaa	tgtctgttag	catataggat	1140
tttgtgcgta	tgtgagtgtg	ctataacatg	taacttgcgg	atgttcagcg	tgcatgtgga	1200
atccatccat	aatggtacat	agc				1223

<210> 5050
 <211> 2763
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (22)...(1090)
 <223> similar to gi5630077 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5050

ccatatccat	gtgggtggaat	tcacacaatt	ggtcagctgc	ttccacagca	gatgcaagca	60
ttccattctc	ctaaagcact	cttccctgtg	ggctatgaag	ccagccggct	gtactggagc	120

actcgctatg	ccaataggcg	ctgccgctac	ctgtgctcca	ttgaggagaa	ggatgggctgc	180
ccagtgtttg	tcatcaggat	tgtggaacaa	ggccatgaag	acctggttct	aagtgcacatc	240
tcacctaag	gtgtctggga	taagattttg	gagcctgtgg	catgtgtgag	aaaaaagtct	300
gaaatgctcc	agcttttccc	agcgtattta	aaaggagagg	atctgtttgg	cctgaccgtc	360
tctgcagtgg	cacgcatagc	ggaatcactt	cctgggggttg	aggcatgtga	aaattatacc	420
ttccgatacg	gccgaaatcc	tctcatggaa	cctcctcttg	ccgttaaccc	cacagggtgt	480
gcccgttctg	aacctaaaat	gagtgcccat	gtcaagaggt	ttgtgttaag	gcctcacacc	540
ttaaacagca	ccagcacctc	aaagtcattt	cagagcacag	tactggaga	actgaacgca	600
ccttatagta	aacagtttgt	tactccaag	tcatcgcagt	accggaagat	gaaaactgaa	660
tggaaatcca	atgtgtatct	ggcacggtct	cggattcagg	ggctgggcct	gtatgctgct	720
cgagacattg	agaaacacac	catggtcatt	gagtacatcg	ggactatcat	tcgaaacgaa	780
gtagccaaca	ggaaagagaa	gctttatgag	tctcagaacc	gtggtgtgta	catgttccgc	840
atggataacg	accatgtgat	tgacgcgacg	ctcacaggag	ggcccgaag	gtatatcaac	900
cattcgtgtg	accctaattg	tgtggctgaa	gtggtgactt	ttgagagagg	acacaaaatt	960
atcatcagct	ccagtcggag	aatccagaaa	ggagaagagc	tctgctatga	ctataagttt	1020
gactttgaag	atgaccagca	caagattccg	gtgctactgtg	gagctgtgaa	ctgccgggaag	1080
tggatgaact	gaaatgcatt	ccttgctagc	tcagcgggag	gcttgtccct	aggaagaggc	1140
gattcaacac	accattggaa	ttttgcagac	agaaagagat	ttttgttttc	tgttttatga	1200
ctttttgaaa	aagcttctgg	gagttctgat	ttcctcagtc	cttttaggtta	aagcagcgcc	1260
aggaggaagc	tgacagaagc	agcgttcctg	aagtggccga	ggttaaacgg	aatcacagaa	1320
tgggccagca	cttttgcttt	tttttctttt	ccttttcttt	ttttttggtt	ggtttttggg	1380
ttggtttttc	ccttgggggg	gggtttcatt	gtttgggttt	tctagtctca	ctaaggaaaa	1440
acttttactg	gggcaaaaag	ccgatggctg	ccctgccccg	ggcagggggc	ttcctatgaa	1500
tgtaaaactg	aaatccccac	cgagggggag	agaaagtgtc	gcccacggcc	ttattaaaaa	1560
ggggcaggcc	ctctaacttc	aaaatgtttt	taaataaagt	agacaccact	gaacaaggaa	1620
tgtactgaaa	tgacttcctt	agggatagag	ctaagggata	ataacttgca	ctaaatacat	1680
ttaaatactt	gattccatga	gtcagtttat	tgtagttttt	gatttctgta	aaataagaga	1740
aacttttgta	tttattattg	aataagttaa	tgaagctatt	tttaaataaa	gttagaagaa	1800
agccaagctg	ctgctgttac	ctgcagaact	aacaaaccct	gttactttgt	acagatatgt	1860
aaatattttg	agaaaaaata	cagtataaaa	atagttattg	accaaagtgt	accaggctct	1920
gcagcagctc	gggggcttat	aaaatgttca	tagggatgtt	acaatataat	tttgtgttat	1980
aaaatatgcc	attataatta	tgtataaacc	aaaatttcaa	cctagagtgt	tgggggtttt	2040
ttggaaaaccg	cagtctatta	gtactcaatg	gttttataca	ccttacttct	gacagagcgg	2100
ggcgtatgct	acgactacaa	cttttatagc	tgttttggtg	atttaaaacta	attttttcat	2160
attatattgt	tgcatcccta	cttcttcagt	cagggttttt	tgtgcttaca	atttgtgata	2220
actgtgaata	actgcttaaa	aatacaccca	aatggaggct	gaattttttc	ttcagcaaaa	2280
gtagttttga	ttagaacttt	gtttcagcca	cagagaatca	tgtaaacgta	ataggatcat	2340
gtagcagaaa	cttaaatcta	acccttttagc	cttctattta	acacaaaaat	ttgaaaaagt	2400
taaaaaaaaa	aaggagatgt	gattatgctt	acagctgcag	gactctggca	atagggtttt	2460
tgggaagatgt	aattttaaaa	tgtgtttgta	tggaaactgtt	tgtttacatt	tctttaataa	2520
aaaaaacact	gtttttgtgtt	tgcttgtagg	aaacttaatc	accattttga	accagggttag	2580
ctttttatatt	tgggtacttaa	aattctggta	ctgacacttc	acaggctaag	tataaaatga	2640
agttttgtgt	gcacaattca	agtggactgt	aaactgttgg	tatattcagt	gatgcagttc	2700
tgaacttgta	tatggcatga	tgtattttta	tcttacagaa	taaatcaatt	gtatataaaa	2760
aaa						2763

<210> 5051
 <211> 1853
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (1)...(1011)
 <223> similar to gi5052516 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5051

cggccgcgct	gacatgagct	tgtccgctcag	ctggtagctt	tcattcgtaa	aagagataaa	60
agagtgcagg	cgcacgaaa	acttgtggaa	gaacagaatg	cagagaaggc	gaggaaagcc	120
gaagagatga	ggcggcagca	gaagctaaag	caggccaaac	tggtggagca	gtacagagaa	180
cagagctgga	tgactatggc	caatttggag	aaagagctcc	aggagatgga	ggcacggtac	240
gagaaggagt	ttggagatgg	atcggatgaa	aatgaaatgg	agaacatga	actcaaagat	300
gaggaggatg	gtaaagacag	tgatgaggcc	gaggacgctg	agctctatga	tgacctttac	360
tgcccagcat	gtgacaaatc	gttcaagaca	gaaaaggcca	tgaagaatca	cgagaagtca	420
aagaagcatc	gggaaatgg	ggccttgcta	aaacaacagc	tggaggagga	agaagaaaat	480
ttttcaagac	ctcaaatgga	tgaaaatcca	ttagatgaca	attctgagga	agaaatggaa	540
gatgcaccaa	aacaaaagct	ttctaaaaaa	cagaagaaaa	agaaacagaa	accagcacag	600
aattatgatg	acaatttcaa	tgtaaatgga	cctggagaag	gagtaaaggt	tgatccagaa	660
gatactaact	taaatacaaga	cagtgcacaa	gaattggaag	atagtcccca	ggaaaatgtc	720
agtgtcacag	agatcattaa	accatgtgat	gatccaaaaa	gtgaagctaa	aagtgttcct	780
aaacccaaag	gaaagaaaac	caaagatatg	aaaaaacctg	tcagagtacc	tgctgaacca	840
caaacaatga	gtgttcttat	cagctgtaca	acctgccata	gtgaatttcc	atctcggaat	900
aaactttttg	accatctaaa	ggccacaggt	catgcaagag	caccttcac	atcgtcttta	960
aacagcgcaa	caagtagtca	aagcaagaaa	gagaaacgta	aaaacagata	gagattctgc	1020
ctgtgctttt	gtttgactgt	ctctagattt	tgaaaccaaa	aaactgaact	gaaatcatct	1080
aaagagttaa	aatttcagtg	atctgcaatt	aattacattg	tggaagatta	ttttttatct	1140
tgtaaaaaaca	cttttttgg	ttaatatata	tttttaaaac	atttcactag	tgattgaatt	1200
ctactttttg	catctgaatt	gacttgaatg	tcttaaaaca	ggtaaatact	gtaaagtgtg	1260
tattcttgat	gtttattggc	tcatgtggac	agaaatgtac	agggagaatt	acattatttt	1320
aacacacaga	agtgcactt	tctgctttat	tttctgaatt	tcacattact	tttacttaat	1380
gcttttgtgt	tttgtaata	cttcataata	tgtgaaaaac	tcggatcttt	taaaaagcat	1440
catagatcat	ttttccatat	gacactgggt	ccgattttta	aaattatttt	taaataaccg	1500
attattgatt	actgtatttt	ttttctcaag	aacagtgtga	ggtagaaaact	aattgaacat	1560
ttggtagtct	ttcaagaata	gtgtctcttc	aagggttttac	ttgatttaat	ttgatatttt	1620
actggtttac	cagtaagggtg	tattgttcag	ttttttgtc	cgatttgaat	tgtggagggtg	1680
gaagcaaatt	agtttacatg	gcatgtcctc	cctaggcaca	gtgacagctg	taaagtatga	1740
cggaacaagg	tagcagatgg	tacagaattt	atactattta	agaagagatg	tggcggttctt	1800
cattgagttt	ttttcttcac	tattttcaga	agtttttgtt	cttttttttt	tcg	1853

<210> 5052
 <211> 2039
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (88)...(735)
 <223> similar to gi5911875 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5052
atccgccaaag cttggcacga ggcctcgtgc catggtcttg ctgcactcag tccctcaagc 60
aagggctcca tggaggctgg cccttacctg ccccgagccc tgcagcagcc tctggaacag 120
ctgactcggg atgggcggct cctggaggag ctccctgagg aagctgggcc tgagctcagt 180
tctgagtgcc gggcccttgg ggctgctgta cagctgctcc ggaacaaga ggcccggtgg 240
agagacctgc tggccgtgga ggcggtgcgt ggctgtgaga tagatctgaa ggagcagga 300
cagctcttgc atcgagaccc cttcactgtc atctgtggcc gaaagaagt ccttcgccat 360
gtctttctct tcgagcatct cctcctgttc agcaagctca agggccctga aggggggtca 420
gagatgtttg tttacaagca ggcctttaag actgctgata tggggctgac agaaaacatc 480
ggggacagcg gactctgctt tgagttgtgg ttccggcggc ggcgtgcacg agaggcatac 540
actctgcagg caacctcacc agagatcaaa ctcaagtga caagttctat tgcccagctg 600
ctgtggagac aggcagccca caacaaggag ctccgagtgc agcagatggt gtccatgggc 660
attgggaata aacccttcct ggacatcaaa gcccttgggg agcggacgct gagtgccttg 720
ctcactggaa gaggtgaggg ccagggtgct ggggggtggc cccagagat gaagaccttg 780
acaatgagga tacaaagggg aggtatggtg gggggctcagg aaaggcatct cgtcccaaaa 840
tcagtgggac tggctgggag gccctctgtg agactgaggg tcattccagg gagccaagag 900
ggctttccca caccagcacc ccacccccca ctccccactc tctgcagccg cccgcacccg 960
ggcctccgtg gccgtgtcat cctttgagca tgccggcccc tcccttcccg gcctttcgcc 1020
gggagcctgc tccctgcctg ccgcgctcga ggaggaggcc tgggatctgg acgtcaagca 1080
aatttccctg gcttccctt cagccccaga aacacttgac tcttctggag atgtgtcccc 1140
aggaccaaga aacagcccca gctgcaacc cccccacct gggagcagca ctcccacct 1200
ggccagtcga gggatcttag ggctatccc acagagtcac gctcgagccc tgagtgaacc 1260
caccacgcct ctgtgacctg gagaagatcc agaacttgcg tgcagcttct cctctcagca 1320
cactttgggc tgggatggca gtggggcata atggagccct gggcgatcgc tgaatttctt 1380
ccctctgctt cctggacaca gaggaggtct aacgaccaga gtattgccct gccaccacta 1440
tctctagtct ccctagcttg gtgccttctc ctgcaggagt cagagcagcc acattgcttg 1500
ccttcatacc ctggaggtgg ggaagttatc cctcttcccg tctttccca tcctgggcca 1560
ctgtatccag gacatcactc ccatgccagc cctccctggc agcccatgtt ctcctctttt 1620
ctcaccctct gactttccct gagaagaatc atctctgcca ggtcaactgg agtccctggt 1680
gactccattc tgaggtgtca caagcaatga agctatgcaa acaataggag ggtgtgacag 1740
gggaaccgta gactttatat atgtaattac tgttattata atactattgt tatattaaat 1800
gtatttactc acactttgcc tctaaggagc tagagtagtc ctctggatta aggtgataaa 1860
taacttgagc actttccctc aaccagccct taactagaac acagaaaata aaaccaagac 1920
tggaaggtcc cctctacccc tcccaggccc agagctagct gactgtgtat gagcctggga 1980
gaatgtgtct cctccacagt ggctcccaga ggttccacac actctctgaa gtccttct 2039

```

```

<210> 5053
<211> 3123
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(742)
<223> similar to gi5912134 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5053
gtcagggtcca tgagctgccc accgtcctgg ccttactgtg cccctgccc caccaacata 60

```

ggtgaaagca	cctccccctct	aaggaagacc	atagagaccc	caacactgtg	ggacccccaaa	120
gctccttcat	gctcactgga	gctcccaccg	tgggtgcttg	caagtccctca	gcgctccccgg	180
ggtacagccc	tcccccttct	gccctctaata	gtcctccccct	cccttgccct	tccctccact	240
tccttttctct	gccgtccccct	cctctcccat	cttgtgacct	ctttactggc	ggggcctgga	300
gcccattgatg	gacacttgcg	gaaggagggg	tggcgagca	cccctgagat	gacatcgctg	360
cctgccccag	agcaccgccg	ctctccctgt	gactcagttc	tttgacagccc	agatgtgagc	420
atgtgcaccc	tgggacctgc	tgcccgttg	gatgcccagg	ccaaatcagc	ccctctgcct	480
ccatgctgca	ctgattgcaa	gagtttccca	catctgcaga	ggccgtgggc	tcagccccac	540
accagccagg	ccaccagtgt	tgatagcgg	gaggcgggga	caaagggaat	gtctcagttc	600
acagtgtgga	catggtggag	gtctcggcct	tgcgagacaa	ggcaggggga	ggggatagga	660
aattgggggt	attctgtgac	tcctggggcca	ccggggagcc	agaatcttcc	agccagactg	720
gatgggcagg	gcttagcttc	ctgatgccgc	ccattcacca	ctttcacccc	gggaacctac	780
ctgggcatca	tgggaggcag	agcctgaacc	ccaacccaac	cctaactcta	atgctaaccc	840
ctaaaccatc	cctcaccccta	acccaatcct	cgccctaacc	ctaattgctaa	cccctgaccc	900
gacccaatcc	taaccctgat	gctaaccct	gactcaactc	tcaccctaac	cctgatgcta	960
acccctgacc	caatcctcac	cctaacactg	atactaaccc	ttaaccctaac	ccaaccagc	1020
cctaactcca	actctaaagc	taactcctaa	ccctaggaga	ggagcccagg	ccgggccctc	1080
tccttctgtg	tttctgttg	ggctttggag	cccagatgc	ctgcccagag	gcttccctgt	1140
gcggggtggg	gtccagcagt	gggggatggg	cccagagctg	gtgtagccac	cagcagagcc	1200
atcctgatcc	acaggaccat	ccctggtggg	gtggggcccc	ctggggcagg	aaggccactg	1260
aggccaggga	gactcccagg	ccactcacg	gcgcaggccc	cacaggagct	ggctggaggc	1320
tatgggtgcg	gggcgtgggc	ctgccggggg	ttgcgtgaca	ggcagtgggg	agtgggttgt	1380
gctggcagct	gtgggtgagt	gaggaggctc	ctctcatgaa	gggccctggg	gaagtggaat	1440
ctggccctga	gagacccccg	gcctcctctg	caggggctgc	cggcaggagg	ggaaccgggg	1500
accacctccc	gccacagagc	ctggggcccc	cagccttgcc	tacagggagg	gtagatgaga	1560
gtgtaaaactg	catatgaggt	tgggctaaac	ctggacatgt	gtttcataaac	caaagcagcc	1620
aggaatctcc	ggctctgccc	agtgatcatc	tgggcaggac	atggggacga	gtgtccaggc	1680
tgaagtccag	gcccggccag	cagagggccca	ttttgtattg	agctccacag	ctggtcacat	1740
tctgtggaat	gtgcagacgt	gcacggccca	tcagacaggg	tctggagtgg	ggctgccatc	1800
ttgggcagct	cctcccgggt	gtctgcaaaa	tgcagaggtc	accagagcca	aggcagcaag	1860
gcaaggagcc	cggcttctaa	ggaactctga	gcagggtgtg	tccatggctg	ggaggcagct	1920
ggccccacag	cacatagcac	ggagggcggc	cctggctcct	ggacgctctt	ggcaggtccc	1980
ctcatggagg	atgtggggga	ttggcttagg	ctggctctgg	ctggccttcc	tggaccgcag	2040
tggccaggag	ctgaaaaccg	tgacccccagt	ctccctgcag	ctgttcttga	tgggatttct	2100
gttcgccagt	cagatgcatt	tgacaggac	ttggatcctg	aactgtgtaa	cctggagagg	2160
caggtgtgag	cgggccatgc	tgctggccca	gcctgtgccg	gtgtctgttt	ctgttgtctc	2220
tcggcccttc	tgtgagccct	cagtaaagct	cttcgtgctt	cagtcagcaa	gagtggattc	2280
tgtcgtcggc	aactctgggg	accaaaccct	gagcctcccc	ctccccaga	ccttgacagt	2340
ccatggagct	gagggacctg	tggatccaca	gctgtggccc	cggaagggct	gcaggagctg	2400
aacctgcgtg	agccccgcag	aggggtgcaga	gccggcttgt	gcaggctccc	agcaggctca	2460
tgacagcgcg	gatggttaaa	tgtagctcct	gacagccaac	tgttaagggt	tcaggcattt	2520
ttgcaccagg	tgacatgatg	gtagcctgaa	cgtgaccttg	gcagcagctc	ctacatcaag	2580
gaaactggca	aatgtcaaca	tgctgggtac	cctcgctcct	gccgccgcag	gctgtcagt	2640
tcttcagacc	cacactgcgg	ggggccttgt	tgtgtggctg	cctcccaggc	tggggcgagg	2700
gtctccagag	accaccatcg	tgacggctct	tggccaatag	cagggtgtgg	tgctcctgcc	2760
aggggacgca	ttctccgtgt	gacctctaca	ccccaggtea	ggtcaggatg	tgatttgtct	2820
ctccagggcc	gtgactcact	agatccacct	cccactggtg	cctggtggcc	cccagacagc	2880
ctggccctgt	ccaggccctg	gcctgtccta	cagtcacagg	tgctggcctg	tccttgcctg	2940
cctcctgacc	acctggtgct	cccgccacc	gcccgcctc	ccctgtctcc	tcgggacagc	3000
ctggctgcct	ccacttgctg	gcccctgccg	gcccaccctc	ttccaagcc	tgccctgccc	3060
ctcagctcct	gggggtgggga	ggggagacct	cgccttctgc	ctgcagcgac	tcccacctgt	3120
cac						3123

<210> 5054
 <211> 1493
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (961)...(1212)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5054
 gcccatgact acgccaaaact tggcacgagg cctgagtcct ttgagcacct gccacctctc 60
 ccagtatctc cttttccact acctgaatta gtagaggaaa ggggagacac acttcctccc 120
 cagaagcctg agctcaaaagt gaaacgggtt ttcagaccca atggcattgc cctgacttgg 180
 aatataacca aaatcaatcc caagtgtgct cctgtagaaa agctaccacc tcttcctgtg 240
 tcatgagaac tctaataata agttgatttg gaagaagatt ggagaaatta aagctttacc 300
 actccccatg gcctgtactt tatctcagtt tttagcttcc aacagatact attttactgt 360
 ccaatcaaaa gatatttttg gacgatatgg accattctgt gatataaaat ctatccctgg 420
 gttttctgaa aatcttacgt aaaagggtgt taataatgat atactacttt ttttttcata 480
 tttgtttgtt tgcaatgtta ctgtaatact atttgccatt gtaaaaggcc agctcagatt 540
 gtgagccctt tctattggga cagtcctctt ctatatgttt taagtggcca gtaatttaat 600
 gaatttctgg tttgtattaa atatgtcctt ccaatggata agttctaaaa catacgctat 660
 cattggccca tgttgctgag gtgcattgtg aacaatacct ttagtgactg tggaactgct 720
 gcttctatca gaagacctag gatacaagca gccactgttt cctccgttaa caatcagctt 780
 ttagtaacct gctgtggtca gcatagctac aggaaaagtc agcccttgac tgagggccag 840
 atcatccctg gagtgcacct ctactaagat tttatgaaaa gatgacatgt tgggctgcat 900
 gataaaagtt aattataaaa attaaaagat tttttttttg agatggaata ttgctctgtt 960
 gcccaggctg gagtacagtg gtcactgcaa cctccatctc cctgggtcaa gcaattctcc 1020
 tatgtcagcc tcccaagtag ctgggactat agtcacttgc caccatgccc ggctaattta 1080
 tttttagtag agatgagggt tcaccttggt ggtcaggctg gtctcaaact cctgacctca 1140
 ggggatccac ccgcctcggc ctcccgaagt gctgggatta taggcgtaag ccaccatgcc 1200
 tggccaaaaa ttaaaagatt ttatgaaacg aaatggcttc ccattctttc tattcagctt 1260
 ctaagtgggc tattcatttg ggctctcctc tttttttgtt ttgttttgca cttttgttca 1320
 atcatttggg gaaatagcct ggaggctctt cctgaatctg tttgtagaca taataaaatt 1380
 tgtgtgctgt gtacacaaaa acataatgta tcttatgaaa gcattacca acctgtttga 1440
 gttgagaatg atttggccca ccttagattt gaggccttag ttggctgatt tcc 1493

<210> 5055
 <211> 3886
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3887)...(418)
 <223> similar to gi4468339 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

cttggttaggt	gttgctcccc	agggtccact	gggcaggata	ggcgtgggca	ttgacccacg	3300
tgaccttttag	ggcccacctg	gccttgtagc	ccccgttggt	tgtgatcttt	ctaataccaag	3360
actcggcctg	ctggactagc	aggctgtggt	caccatagaa	cgtctcgtat	tcctgataaa	3420
atgtgggtccc	ccgaccagtg	gagaagtcag	catcgtccca	gaacggagcc	accagggcca	3480
caggggtccc	gcctgtgaag	cctgttggga	gtgggttggg	gtaggagaaa	atctggtagt	3540
ctgactctgg	gaagatgatc	tggccattgt	ctgtgaagta	gagggaaatca	cggagagagg	3600
agccaagggg	gaagccagtc	gccggcctga	agagtgggga	ggtgaagtcc	acggtcctcc	3660
tgacgaactc	caggtccccg	gcgtctgccc	cataggggaa	gagggaaaact	cctctctcag	3720
gcaggatggg	gatgggggca	gctgtggagc	gggtgtgcat	ggcagtgctg	ggaatggtgg	3780
aaatgatggg	ctgggaggtt	gtgggggggtg	gtgatgtggc	tgtgcgtctc	ccaccgtctg	3840
tcttcagtga	cgtgtttgtc	attcctgatg	tttccatctt	cagagg		3886

<210> 5056

<211> 1543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(528)

<223> similar to gil8218 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5056

ccgtgtgggtg	gaattcaaaa	ctggcaaaga	tgtggccacc	caaatactag	aaggagagct	60
ctttgactttt	gatcttgaag	ttaaaccagt	gttagaagtt	ttggtgggga	agacaattga	120
gcagtctctt	ctggaagtaa	tggaagaaga	agagctggct	aacctgcggg	ccagtcagcg	180
tgagtatgaa	gaactacgga	atagtgaacg	tgctgaagtt	caacgacttg	aagagcaaga	240
gaggcgacac	cgagaagaaa	aagaacggcg	taagaaacag	cagtgggaaa	taatgcacaa	300
gcacaacgag	acatcacaaa	aaatcgccgc	ccgagcattt	gcacagcggt	acctggctga	360
ccttctcccc	tctgtttttg	gcagcctcag	ggatagtggc	tactttttatg	atccccattga	420
aagagatatt	gagataggat	ttcttccatg	gctaataaat	gaagttgaaa	aaaccatgga	480
atatagcatg	gtgggaagaa	cagtgcctga	catgttgatc	cgtgaggtgg	ttgaaaagag	540
gctgtgtatg	tatgagcatg	gggaagacac	acatcagttc	ccagaacccg	aggatgagcc	600
tggtggctct	ggagcaatga	cagagtcact	ggaggcctct	gaattccttg	agcagagcat	660
gtcacagaca	cgggagctgc	ttttagatgg	aggctacctt	caaagaacaa	catatgacag	720
aaggtcatcc	caggaaagga	agtttatgga	agagagagaa	ctcttagggc	aagatgaaga	780
aacagcaatg	aggaagtcc	taggggagga	agaattgtca	taggagggaa	gcttcaaagt	840
catgaaacca	atcaacagcc	aagtcagcaa	gcaatcaggt	aatgatgtgc	gagtcacctc	900
aggttataga	aattatgttg	tatttagtca	gtatgtcttt	ttgtgtaatg	gactgggcca	960
atcaaatgtg	ataaaattaa	tttgagaatg	aaacttaaat	tgaattcatt	tatttaatatg	1020
aatattcaaa	ggctatatattg	taattcta	gagaattata	tttaattact	agctttctat	1080
taccattata	tgttaaccagc	aaatatat	ttccttagcc	cttctaattt	tgcgggttag	1140
tttttttttag	taagtatgat	atttaatgtt	caatatcagt	gctgtcagcc	atatagcttt	1200
tcttctctat	aggaaaaact	atttcacctt	ctgtaagagt	gaatgcctag	ccaggcgtgg	1260
gtggctcaca	cctggtaaat	cccagcactt	tgggaggctg	aggcgggcag	atcacctgaa	1320
gtcaggaggt	caagaccagc	ctgaccaaca	tggagaaact	tcatctctac	taaaaatata	1380
aaatttggtg	gggggggggg	cgcatgcctg	taatcccagc	tactcgggag	ggtgaggcag	1440
gagaatttct	tgaacccggg	aggcggaggt	tgcggtgagc	caagtttgca	ccattgccct	1500
ccagcctggg	caacaaaagg	gaaactccct	ttcaaaaaaa	aaa		1543

<210> 5057
 <211> 2279
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1678)...(905)
 <223> similar to gi5902376 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5057
 tttttttttt tttgatttta agtcctttta tttattttga atatcagtaa ttacattttc 60
 aaaatatgat ataattttaa ggtatcagta ccataaatct gtatcttaca gtaggaaatg 120
 taagagtaaa cagcctatat acactttgta ctactgacac aatttttatgt atacaactct 180
 atacagtatc tactaatctc cagaaaaccc acctacaatc catctgtctg ggactgtggg 240
 caagtgggtt ctttctgaga tcagggtctc actctgtcac ccagggttgca ctgcagtagt 300
 gcaatcatgg ctcaactgtag ccttgacctc ctgggctcaa gtaatcctcc catctttgcc 360
 tcctgagtag ctgggactac aggtacacac caccatgtct ggatacattt tgtatttttg 420
 gtagacaccg ggtttcacca tgttgccag gctggcctca aactcctggg ctcaagtgat 480
 ctgcctgtct tggcctccca tcgtgctggg attagaggca tgagcgactg tgccaggctg 540
 actgtggaca agttttacaa ataaaccaa ataaaaatat tctcactttt cagctgcaca 600
 tggtggaat gtacatgtat gatgacaaag tcggagatat ttattacgct gaagacattt 660
 aactttgttc catgccagcc atgagtgaca acgctagaga ttccaaatgg ggaaaggatc 720
 ctctacagac ggctttgttt aaaatggtta caagaaacat atggcagttt ttaaatcag 780
 attccatttt ctctatagat tccattcgcc aagtgccag gctgcctgc caaccgtctg 840
 caaacatgag agccaagttc aacaccttca tgatagcttc ttccacaaag ctgacctttt 900
 ctctcagcag acaccggtca tggatggttg acagatacct atagtgaatt ttaatcaatt 960
 gatctaaatc cttggcttcc tcgacttgat gttgaaactc cagccctgta ctgtgtagaa 1020
 tcctggatcat gatgtagttg tgcaagctgt tcacgaaatg catgagcttc actcttaaga 1080
 ggaacatgag atgaatctgc tgtcttactg gttctttttg tgggtccgaac tgagcaactg 1140
 tgtcttgttc atgtataagg cttcttttaa gtctgtggtt ttctgcagta ctaaccagtt 1200
 caccaaaaag taaaacatcc agactatatt ttgccactt tatttgcaat aagagaagaa 1260
 acacttgatt ataaattttt tgacattcca aacttataac aatgtccacg ggccatggga 1320
 ccttgtagct gagggtcaga ccatctaaga tatgaacagg cagcttcttc ttagctgtgt 1380
 caacattttc aaaagatata gatagacgtg aactatcttc aggataacgc tgtcctactg 1440
 cttcttggag ttggacatta agaaaagaca cattctgcca tgtttccttt tctcttattt 1500
 tatcaaaaat tgacgtgtag aagtcataca tggatcttcc tccttccatt aagaaaaaat 1560
 tcctcatagc ttgcaagtat tctaccaacc tgtaatcttt ttttagagtt tgcatgagat 1620
 ttccacagca atctagatac tgcttgtcaa tatgaggata gaggcaggat ctgagcgtta 1680
 attcaaaagt ctggcatgtc acagattccg atgatctatc cacacataca tcaccaccag 1740
 caaactttct gtgaaagtca ctctgctcca aatacatcct tgcaaagtta atggcaagca 1800
 gtggatcatg aacatcatcc agttcaagat ggctttcagc aatggactgc atcttcatca 1860
 ggttctcctt ggttgacctg tgctcagtaa gaacctgtgg agtggaatct tctccatgtc 1920
 gaagacggga ctgtacagat tccagaaaga gagtgtataa actttttctt tctgcatctc 1980
 tggctcctgc ctggcagggtg gtgctctccg cacactgcag gttcttcagc agctgcatcg 2040
 acttgccagc cattatgatc tgcttcagga caggtttgag gaaggacacc atgggtgtgct 2100
 gcctgctgga gggcccctgg tcaactgccg aactcgcaat agcgttatca ctcatTTTTT 2160
 cttcatTTTT tgtcttttct gatagctat ataacgtgta agttgcatac cagaagtctc 2220

tgtgattaac tggaacatth ttgtttctct ggatgatgaa ctccctggcg ccatccac 2279

<210> 5058
<211> 646
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(321)
<223> similar to gil850831 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5058
cggttgactt ggattatcaa aagtggagca gttccagcta tccatttcca cggaagtcaa 60
gaaaagtatt gacatacctt gcaagatatc gagcacaagg tttgaaacag atgtcattca 120
ctgggtaccgg cagaaaccaa atcaggcttt ggagcacctg atctatattg tctcaacaaa 180
atccgcagct cgacgcagca tgggtaagac aagcaacaaa gtggaggcaa gaaagaattc 240
tcaaaactctc acttcaatcc ttaccatcaa gtccgtagag aaagaagaca tggccgttta 300
ctactgtgct gcgtgggatt acaccatact agaactgttg aaacaacatg cacaaaatcc 360
cctcccaggg tctgtgcca ccacatcctt cccaacaggg gcaaccacag ccagtcccca 420
gctgggctcc cagactcagg ctgccttct ctgaggctct tccggggctt tccaggaagc 480
tgttatgggt tataccttcg ttcccacctg atcccaggac ttgtgctcca gaatctttat 540
ttgacactgt ttcttaatgc attaaagact tgtctgggga ctgagagaac atagggtcgtg 600
ccactgtcca tcatatcacc acctagagac ttccagtaag tagcaa 646

<210> 5059
<211> 481
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (469)...(273)
<223> similar to gi2266432 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5059
tttttttttt ttagctcatc agctatcgtt aggggtattht atgtggccca agaaaattct 60
tcttcaaattg tggcccaggg aagccaaaag tttggacacc tgtgatttac aggttatgcc 120
tagatctgaa acagatcccc atccctccta aagctgcccc ctgggttatgg gccctgtttc 180
tcttagaaac accacacaca tcatthggga aaagcacact gagtagaaac atggcctgaa 240
agggtgggtgg gcggtggacc tggcttcctg tggccagagg tcagcggacg atagaaatgg 300

```

tctgatcggc cacagcaaag actggggaag attgggcccc gggaaggaca cattgattgg 360
gcacagagca ctgtgccgga ggctggctca tagaagagca gtcctgaac ctgcaagtcc 420
agcactacac ccagctgggc tgggccccgc agcagcccca ggggctcgtg ctgcccattg 480
t 481

```

```

<210> 5060
<211> 1026
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1022)...(245)
<223> similar to gi4159885 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5060
catattcaaa ccatctttat ttacaaaata ctatcctgag aactattatt ccattaaact 60
tcaatttgag caaaagtgca atcacttaag taatagcagt tacttaaact gaaaatgaga 120
tcagtcaaaa ttacttttga agaaagcaac aatattgtca ggtttcttgc tgtggttctg 180
gatgtccagt agcaggctcc tttgaaggcg gaatcaatcc tgaagggaac tcgctttctac 240
ctttagaatg tgggggttggg gtaaaatcca ggtctcggat gaaggtaagg aggtaaaccc 300
ctcggtggat agatgtttct cattgcaaat ggagcatgtg gtggacctgg gaaatccctt 360
ggtggaaaat aacctcgaga agctccaaac atggttcctg gaggaggtgg ggggaaagga 420
ggtcctcttc tcatgaacgg gcccttgta tccactggaa acaatggacc gctgattgga 480
gcaagaggtg gaggaataag gccagggccca gttgcttcat ttcagcagg gagagatgaa 540
tcaggcacat ttaaattacc aagatcatct ttggcatcat ttctactgga ttccatttct 600
gaaggcattg acctatccat tttatccaaa gaagtcattt taaaacttct gggttctgct 660
ggcccagaca gtctttcaga attagaataa aatctgtctt ccctttgtgg aggaagagtt 720
gaatcaggat atgattgccc tgggtggagga aacatcatcc tacggctcctg ttccaccgga 780
gatgacaggg acccagtgtc agaaggagcc ctgtgaggat cgattaacct gtcatagctt 840
ggttctcctc tttcattggt aatctgatgg tccaggggat tccctgggct gcttgggcct 900
cttcctcctc cccctggaag cacaggtgag agtctgagtg gatcctccaa caaagtttga 960
ggagagggaa aagctctcgt ttcagatgaa ggccgaccga atggtgatgg actagatggg 1020
caaata 1026

```

```

<210> 5061
<211> 572
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (14)...(205)
<223> similar to gil304434 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

[illegible]

06-08-2007

06-08-2007

[illegible]

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (15)...(472)
 <223> similar to gi4689112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5063

tttgggaggc	tgaggatgtc	agtgggggag	gacccgcacg	ttcttaccba	gttggaggcc	60
tttgttacta	tctttctcct	cctgagtcca	tgggcgccat	ctttgaggat	cctgtccatg	120
tcgttgttta	tatcatcttc	atgttggggt	catgtgcatt	cttctctaag	acatggattg	180
aagtgtctgg	ttcctcagcc	aaagatgtag	ctaaacagct	gaaagaacag	cagatggtaa	240
tgaggggcca	ccgagatacc	tctatggttc	atgagcttaa	taggtacatc	cccaccgcag	300
ctgcgttttg	cggtttgtgc	attggcgccc	tgtcagtgtc	ggctgacttc	ctgggggcca	360
ttggatctgg	cactggaatt	ctgctagcag	tcactattat	ttaccagtat	tttgaaatat	420
ttgttaaaga	acaggccgaa	gttgggtgga	tgggtgcttt	gtttttctaa	atgttcaaata	480
atttcatttt	gtgcgtgtga	aagggaaaac	actttgacgg	atcgtttttg	tcagatgaca	540
ctgggtggctc	cccttttctc	ccctcacagt	ttcttgtttc	gagtgtctgac	tgacccgttt	600
ctgaaatggg	caccgagcta	agtctgtgtg	cagcattagt	acccgctgcc	ttaaaactca	660
agtttacatt	attcattaaa	aaaagtacat	ctagtgttgc	ctgtaatgct	ggaaaccagt	720
gtatctacct	tgtctgtgta	aatcatgaca	gtgagacggg	gagatggatt	cgttttgcac	780
acaacattca	aaacacttca	tattgcccc	acttggtgaa	aaataaatgt	agttcaaatt	840
gccactttcc	agtatttttg	agcttattta	atgagttctg	gaacatttat	atctaatacta	900
tattttagat	aattactttt	tatacttttt	taactcatgg	tatccccact	ccccaccccc	960
acctcatttt	tatttgctcc	ttctcaaagc	agccacttag	cccacatggg	cgaatacaag	1020
tctccagtta	tttctgccac	aactgcttct	aaggcctcct	ccttctcctc	ctcctcttcc	1080
tcttctcct	tttcttctc	ctcctcctct	cttcccagtg	acagcatcat	cgtgtgtgtt	1140
gcctgtattg	gctatgcctt	ctaactccaa	ccagtcactt	gagaatatct	tttcaagatt	1200
ctgggccccg	attcttttct	gtttaaatcc	ctaaagcaaa	gatctaattc	tcaagcaatg	1260
tctgtagttc	agtgggggtg	aacaatgaat	atattcatgc	taggaatttg	tgtctgttgt	1320
tgtactcaca	gcagcaacat	gagtgtaaac	agtagacaat	aaacttttat	ttaagaaaac	1380
tgattcagtt	gtgttggaag	aaataaagaa	atctgatatt	aaacgttttc	taagatcatt	1440
tgtatagggt	cagtgtattc	ataagaagtc	caccctgaga	tgctgtgtaa	agtcaaattg	1500
aattacactt	caaactttta	tcctaaatta	ttgacagata	gatagatagt	gaccaactta	1560
agggtaatac	tatatgtgac	taacatttgg	gaggaaacag	gaaaacagtg	gtctcaaaac	1620
aacaatatcc	cagtctccat	ttgaaagagc	atagatcttg	gtaaatcatt	ttgaaaacta	1680
tgtgctttat	ttcccaaaaag	atcaaaactta	atttttaaaa	gacacccctt	tcagaagtat	1740
gggttttcat	tgtgttttag	tttcttaggt	gtggtatgtc	ttacgtagct	tatgcttaca	1800
aagccaaata	atcgcagggc	aaggcagata	aaggcaggca	ggatagtgc	agtggctcgg	1860
tgagcatccg	ccaagggcct	cagaccactg	ttaccataaa	aacatccacc	cagtgttatg	1920
acgtccgatt	tttttttccc	ttaagaaggt	ggaaatatgg	cttttaatac	ataggaaacc	1980
ttcagttttt	aaatgcaggg	caaataaaca	tttttaaaaca	gtgccagcca	gactgccagt	2040
tctcaaacag	actgaatttc	caaagcacaa	ccttttcatg	tttataaaaa	atagaaatgg	2100
catttaggga	tacattctag	gatttggctc	tgacttctaa	gttgactctc	taggaagaag	2160
gagaggataa	gcttaggtca	gctgcagagg	tcattcccat	ggggagtggc	tggggaggaa	2220
ctgggctatg	tggaaagact	gggctgcgcc	cgtctacgga	tgcttctctc	cttgatttca	2280
atgattgata	gcatgtggct	ttcagacctc	aggaagagtt	agagcttttg	agaatcacaa	2340
tgctgtgat	tgaatcagg	atttaaaaaa	gggttagagg	cataggggaa	ggctaccatt	2400
acaggaagta	gttgatctt	aattttcaca	tgtatagggc	tagacagctt	catctgtaaa	2460
gttctgtatt	tccataattg	ttttatcttt	aggaagtcca	gtgtaaagat	cttacagttt	2520
cactcataaa	aatatcctgg	gctcagacag	tgagcctgtg	gacaaacgga	ggctactgca	2580
gcattctggc	attagcactc	tgattttatc	tggagagccc	tttcatatgg	ttctcagggc	2640

ctggcttacc	cgctggagcc	aggctagaaa	catgacttag	ggctggatga	gaatcatcct	2700
gagaattccg	tgggggccag	actggaaagt	cctggaaaat	catggagctg	ctggaggccc	2760
taaaagtcaa	cacaaaaaga	gctaaactca	ctcaagaagc	taagaaaatg	gccaggaac	2820
actggtagaa	ctgctagatg	acagggtttc	aggcatggga	accagatcaa	tctgtacttc	2880
ttgctgtgaa	ctactctgta	ttgggtttca	ggtactggct	gatcttgctg	gttctgttca	2940
t						2941

<210> 5064
 <211> 3447
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3448)...(706)
 <223> similar to gi5911875 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5064						
ttcatgtgcc	catcggaggg	tacatatcag	tctatTTTTT	attataaaca	aataaaagat	60
taaatacac	atcaaagacc	tagactcctt	ctctgagaca	caaaggcct	aacaaccagt	120
aagataattt	tagacaattc	tattgaaagt	tattcaaaag	gcatcaagtc	aaaataacga	180
aactgcccc	gtaaaaaggg	gctgggcctg	ggggccaggc	aaaggcaagc	atgaggggccc	240
cagtagaggt	ggacctgtcc	ctatggtaac	tgagctcggc	tttaaggcca	ggcattgggg	300
atcagctgct	aggagcccac	ctgtgttctt	cctgaggggt	gggggcaccc	tagtcacttg	360
ccttagaggc	acatgggtcc	cccaccagcc	tacagcatgg	aaaacaccca	atgtctggct	420
ctagcctatt	cttaaccac	aaactgggat	tgggagctgg	ggacaggaag	aaggggtcat	480
ggggccagga	gcctattcag	gctctacaac	cagacttccc	tagagaggcc	ccgtgccagt	540
tagtccaatg	gccacacaca	tcagaaaggg	tagtcaacag	cgttgcacat	gtaggttggga	600
ggtagcccag	gtgtcagcca	cacctgggtc	acagcagatc	cagagaggca	atgttccttg	660
gagctgcagg	ctgctggatc	tactgctcgt	ccagtcccgg	gctcagacac	agggtaaagtc	720
ctccaggccc	ctaccagggg	cctgccctga	cacacagctg	ctgtcagagc	cactggagcc	780
actggctgat	gggcattggg	acgagatctc	tgagtcctca	gcagtcaaag	agggtctggcc	840
gccagctct	gcctcagcct	ccagtgtctg	ttcctctggg	aagctgggat	acaggggaca	900
gcggagaccc	agaagagctg	ggtctctgta	caggtgcagg	ttgaggggacc	ccagaacaga	960
gcaagaggca	gggtctccag	gaagggagtt	cgaggccccc	aggtagaggc	tgtcatggtc	1020
aaacggggct	acggcaatgg	acgcccagga	gcgaacttct	cggcacttca	ggacatagtt	1080
gacggtgcgg	tcgttgatgg	cttcctcgct	gggagcaatg	tctcggaagg	ccttggtccc	1140
cacacccatg	gacaccatct	cagccatgcg	cacctccttg	ttgtggacgg	cctgcctcca	1200
aagcaggtgg	gagatgtcag	ctgtccaggc	ctgcttgata	gccaggctgg	aggcctgcag	1260
cacaaaggtg	tccctggcct	tgcggcggcg	gaaccagatc	tcgaagcgca	ggttgctgtt	1320
cccacagcac	tcagttagac	caaggtctgc	catcttgaag	gagcgcttgt	aggcaaatgt	1380
gtcaacccct	gtgggcccac	ggcgaggctt	gctgaagagc	agcagctcct	caaaaaggaa	1440
gatgcggcgc	acggaacttg	ggcgcccagt	gcgcaccaca	aactcatcct	gtcgcaccag	1500
ctgcccctgt	tccttgaggt	taacatcaca	gccctggatg	gcgtccatgg	ccagcaggtc	1560
gtttccgtgc	cgcagctgga	agtgcacaag	gctctggggc	tcccgcagcg	cactgagctc	1620
ctgcgtgggg	cccccgagg	cccgtgccag	ctcctgcagc	agcagtgcgt	acttgcccat	1680
gcgctggatg	ggcttttagca	ggtaggaggc	caggtccagg	tgggtcccca	gtgcttgctg	1740
cttgctccttg	aagaaggtgt	gcccatagct	tgacatcagg	gcatcggagc	gaggcttatt	1800
cttgctgtag	agcgcgtaca	tcccaaactg	cacctatgg	cgcaggaagg	cataggccac	1860

t c g t g g t g g g	t g c c g g g t g c	a a g c c t c c a g	c t c a c g c a g g	a a g a a g t g g c	a g t g g a a g t c	1920
c c g c a g c t t c	t c c a g g t t g c	c a a a g a g g t g	g g c a c g c t g a	c c g a g g a g g c	c c t g g g g c a c	1980
a t c g g g g c g a	t c c a g c t c g g	g g a a a t a g t t	c t c c a t a g t g	t a c t c t a g a g	c c c g g a c a t a	2040
c t c c c g c t c c	g t g g c c a c c a	t c t c t g c c a g	c a c c a g c t g t	a g c c t g t t g a	g g c t c c t g g g	2100
g t c a g a g c t g	c c t g g t g g a g	g c a c a g t a g g	g g a t g c c t g g	g g c a g g g c a c	c t c c t c c a g c	2160
c t c t g g t c t g	c g g c a g g c a g	c a a t a g t g g c	c g c a t g g t g g	c a g t g g c a g g	c a g g t t c a c t	2220
g a g a c t c t g c	c c c a g a t t c c	g a t c g a a g c t	g t a g g c c t t c	c t c a g g g g a g	g g t g g g c a g g	2280
t g c a g c g g g g	a c c t g g c t g a	c a c a c a g g c t	a g c t g t g c t g	c c c a c c g g t g	g t a g c t t c a g	2340
t g a a g c c t c a	a g c t t t t g g t	c c a g g g c c a g	c c a g g t g t c c	t g g c a c c g c g	c c c a g g c c c a	2400
g c g g c a c t c c	t g g c g g a t g g	c c t c t g a g c c	c a g c c c c g t g	g c c a g a g c c c	a c a t c t t t t c g	2460
g a a g t g g g c a	g g a g g c a a g t	c a g g g t g c c t	g g t c c a g t g c	a g c t g c a g e t	g e t g c a a c a c	2520
a a c c c c c g g g	c g t t c c t g c t	c c a g c t c t g c	c a a c a c t c g c	t g c c c c t c c t	c a g c c c a c g t	2580
c a a g g c c t c c	c t a a g a g c t c	g a a a c a g c c t	c t c a g c a t c c	g c c a g c c g c t	g g c a c c g c t g	2640
g g c c a a a g c c	c t a g a g a a t t	c a g t c a g c t g	g g c t c g c a g g	g c c a g a a a g c	g t g c c c a g g	2700
g g g g t c c a g t	t c a g c c g c c t	c c c a g c c a g t	c a g c g g c t g c	a g a a a c t t c t	c c c c t t g c c t	2760
g a c c t g c t c c	t g g g c a a c c t	g g t a c a g c t c	c t g a a a a g a g	c c t t g g g c c t	g g a g c a g c a t	2820
g t c c a g c g a g	g g c t c c c c a g	c c t c c t c c a g	t g c t g g c c a g	c c c a c c t g c t	g c a g c c a c a c	2880
t t c a a t c t g g	t g c a g t c c g c	t t t c c c g g g c	c t c c a g t g t t	t g g a c c a a c t	c t a g g g c c t g	2940
t a t t c g c t g g	t t g c t c t g c a	g g g t c a g t t g	g t g c a g c a a t	c c a t c c a c c c	g g t c a t a t a g	3000
c t c g t c a g c c	t t g t c c a t t g	c c g t c c t g t a	g t c t g g g c t c	a g g g t c a c c t	c t g g g a c c t c	3060
t t g c t t c a g c	c a t g t c a g c t	c c c g g c c c c c	c t g g c a t t g t	a g c c a t g c c a	g c c a t g g c g a	3120
g t c t a g c a c c	t g c t g c a t c a	g g a c c t c t g t	c t g c t g t a g c	a g c t g a c c g a	c c t c c c c a g g	3180
c t c c a t g g g c	t g g g g c a c a g	c c t t c a c a c t	t t c g a t g g c c	c c c t g g a g c a	g g g c a c a a g c	3240
t g c c t g g c a g	t t c t g t a g t a	g a g c t t c c a g	c c g c c t t c g g	a a a t c c a g c c	a g g c c t g g t g	3300
g c a g t a a a g g	a g g c c t c c t c	c t a g c a a g t g	g g g c a g c c c c	g c c g t t g g g a	t g t g g g t c a g	3360
c a g g c t c t g a	g a a g g c a a c t	g t g c c a g c t g	c a g c c c g g a a	g g c a c t t c c t	t c a g c a g c g t	3420
g c t t c c c a c t	a g c a g c a c c t	g g t a c a c				3447

```
<210> 5065
<211> 467
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (46)...(165)
<223> similar to gi2439972 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5065						
attattagta	cagtgcggtg	gaattcctac	cccattccca	tattccagat	cctgtgtatc		60
gatgaggcca	cagcaagtgt	ggaccagaag	acagaccagc	tgctccagca	gaccatctgc		120
aaacgctttg	ccaacaagac	agtgctgacc	attgccata	ggtatgtaaa	cgcttggtaa		180
cagcctaata	agggactgtg	gtagcatgca	ccgagagcct	ccgttgcttt	cagggacccc		240
agtggtcagg	gccttagaga	tcctgcccc	ccagatctca	gctcctcctt	ctccagggac		300
gagaagggtc	ctttatagca	ctgcctaggg	ccctttatag	cacattatct	gagggccctt		360
tatagcactg	cctagggcc	tttatagcac	attatctgag	ggactctgca	gtcccttccc		420
cagcaccaag	ccaggggcta	aagcctgtgg	ggacagacct	gtggtgt			467

<210> 5066
 <211> 1229
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(579)
 <223> similar to gi3599942 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5066
 gagaagcaga gctgtaagag ctgtggtgag acctttaact ccatcaccaa gaggaggcat 60
 cactgcaagc tgtgtggggc ggtcatctgt gggaagtgct ccgagttcaa ggccgagaac 120
 agccggcaga gccgtgtctg cagagattgt ttcctgacac agccagtggc ccctgagagc 180
 acagagaaga caccactgc agacccccag ccagcctgc tctgcggccc cctgcggctg 240
 tcagagagcg gtgagacctg gagcgagggtg tgggccgcca tccccatgtc agatccccag 300
 gtgctgcacc tgcagggagg cagccaggac ggccggctgc ccgcacccat ccctctcccc 360
 agctgcaaac tgagtgtgcc ggaccctgag gagaggctgg actcggggca tgtgtggaag 420
 ctgcagtggg ccaagcagtc ctggtacctg agcgcctcct ccgcagagct gcagcagcag 480
 tggctggaaa ccctaagcac tgctgcccat ggggacacgg ccaggacag ccggggggcc 540
 ctgcagcttc aggtccctat gggcgagct gctccgtgag ctgagtctcc cactgccctg 600
 cacaccacca cattggacct gtgctgtcct gggaggtggt gttggaggcc ccatgaagag 660
 cgccctggac tgctgagggt gggccaacag ccagagctc aggacacttg gctttggggg 720
 gaaggaaact gaggccaga gaggggcaac cactggccaa gggtcaccca gcaagttttg 780
 gctaagagcc tggcctccag cccagcaggt gtggcccaga gcaggggccc actgccaaag 840
 taaccatcat ccatatgggc cgtgtggtga tgctggcccg gaaggcagaa agaggcagca 900
 tgggcactgc cagggacagc cacatcctgc tgggtctgcag cgtggtccac ccgcctctg 960
 ccagcctgt ctacaccgtg tgagctgaat cgtgacttgc ttcccacctc ctttctctgt 1020
 cctctcctga ggttctgcct gcagccccca ggaggtgggc ctgccccatc ctactgtggac 1080
 tcatggttcc taaataacca cgctcagaag ctctgctagg acttacccca gccactgagt 1140
 ggcaggcgca tgagatttgt ggctgttcct gatgctagtg gcacacagtg cttatctgca 1200
 taaataaaca ctggccacca aaaaaaaaaa 1229

<210> 5067
 <211> 525
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (76)...(205)
 <223> similar to gi2286147 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5067
ataggggagg cgtgggcact ttaggttgtc ttaggactga tgtctgaatt aactaagggg 60
acttgtctgg tttgcagagt gctgatggca gagattggg aggatttgg taaatctgat 120
gtgtcctcat taattttcct catgaaggat tacatgggccc gaggcaagat aagcaaggag 180
aaggtgagtt ttcttctttt ggttcatggc cccaggagcc tatcagaagt gggagctact 240
cttggtgata cagagagagg gaagcaggca gtctgccgcc actatagtgg gagtcagaca 300
tctcaggtgg cttttaaaaca acatgaatgg gaagagaatt ggtttatgaa ttgaagaaat 360
aggattataa catcttctgg tgtgggcttg gatggttctt tcatccttgg aatttatcct 420
tgtttctgta aaattcatag gtctggctca tatgagcttc cctccctggc ttgatgggga 480
tgtggggaag acatcccatc tgcttgtgct gagggaaaac aggag 525

```

```

<210> 5068
<211> 1065
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc feature
<222> (1067)...(869)
<223> similar to gi404650 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5068
ttttcacaca tataaacaag tttattagat tgtcagtgat actttgagac aaattcaagt 60
tatttcatatt tacttcatat aaacagagga agggaggaaa gttttaaaact tcaagctttg 120
ttcagcatgt gtgcagttag catccacaaa agcaccattg ggtatgggag aattagcacc 180
acagaatttt aggacctaac tgттаacatg catcactgaa aaacttggaa cataaaaaact 240
gaagtagtac gtggtatggc ctattataaa caatacaagg caatttatga tttgttctca 300
tacagtacaa tacaatcaca ataaatgaga accttttaag aacaatacgg gacaaaaacc 360
accttgcacc ctgttaacac taaagcagtt acagatttaa aaaaatgttt ctggtaagag 420
gcagtgggtt gaaattatcc ctccccctc aatttttaaa ttcagagtta tatagttaca 480
tgatctctta agaaagtatt ttcaaactca tatgtctctc tacctcaagg ctgacaaatg 540
gtggtttgaa aacgaaaggc ttgatgaatt aaaaaaaaca aaacccaaaa actggataga 600
gtcgaaagggt acttcaatgt ggtggaaatt attcaacata agatcagttt ggaaatgatg 660
ccagtgggtg tgatacttgt ctccccttcc gtggaggaat gtcaagtact gaggccttgc 720
attcatgatg aacttcagtt catttctttc accgaatgcc tttattctga ggtgtaacat 780
aagagattta ttccttattc ctcaactgtt tttgtagtat catggggctg ttccttatgc 840
ttgatttgac aacagtgaaa aaggttgata ttctctctgg atttggggta atttgtgagc 900
ttcaggaaaa ttccatattt attagagccc acatcaaagt agaacctttt attgtccact 960
ctgaaagaag tccccctctg gagttcaagc gggtcacgt ctccacctct tcgttcttgt 1020
atgtctcctt cgccatagtc ttcaatcaaa aaaaccaagg catca 1065

```

```

<210> 5069
<211> 974
<212> DNA

```

05483723 "01.01.00

<213> Homo sapiens

<220>

<221> misc_feature

<222> (8)...(484)

<223> similar to gi2992628 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5069

agcggccgcg	atgggtggcg	ccatggtcct	gctctatgcc	agccgggcct	gctacaacct	60
gacagcactg	gccttggccc	cccagagccg	gctggacacc	ttcgattacg	actggtacaa	120
tgtgtctgac	caggtgggca	tacgcatgtc	tgccacctcc	ttagtagccg	tggcaccttg	180
gccccagctg	gcctgggccc	ttgtcccact	acccctttgg	cgtgactgca	gactggcacc	240
agcccctgcc	ttcccacagg	cggacctggg	gaatgacctg	gggaacaaag	gctacctggg	300
at ttggcctc	atcctcttcg	tgtgggagct	actgcccacc	accctgctgg	tgggcttctt	360
ccgggtgcac	cggcccccac	aggacctgag	caccagccac	atcctcaatg	ggcagggtctt	420
tgcctctcgg	tcctacttct	ttgaccgggc	tgggcactgt	gaagatgagg	gctgctcctg	480
ggagcacagc	cgggggtgaga	gcaccagtat	gtcgggcagt	ctaggctctg	ggagctggta	540
tggtgccatc	gggcgtgagc	cgggctggta	tgggggcagc	cagacgaaga	ccactcctct	600
gctcttctcc	caggtgccag	gaccaggcgg	ccaccaccac	agtctctact	ccaccccaca	660
gacgtgatcc	ccctccctcc	cccacagaat	acccaggccc	cagtccccct	caccctaggc	720
ccctgtgcca	agtttgtctg	ccgcttcttg	cccaggatcc	tgggggctcg	ggctaccccc	780
tcctctggcc	ggctccttgc	tgctcctgtc	atagtgagct	tgtgccgtcc	ccctaggatg	840
gggggcatgg	ccctggctgc	cagatgcccc	cagcaccctg	gcatgacctg	ccacctctgc	900
ttccacaccg	gagccagcta	cctctcctgt	gcctgccact	caataaacag	tgtctgcgcc	960
ccacaaaaaa	aaaa					974

<210> 5070

<211> 2398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2120)...(1639)

<223> similar to gi3881700 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5070

tttttttttt	ttagattatg	tatatgaaaa	ctaatttatt	aaacctctgt	acacaaagat	60
gaacatacct	gtatagcaag	catatatgaa	ggatgaagtt	acaaaaaagt	aaaagtatta	120
ctaaaattga	cacatgtaaa	tcacttacaa	aaatacccca	aatgggataa	agctgctcat	180
ccctgatttt	tctcatttgg	ttgtaggagt	tgaacatga	atttaaaatg	gtagaatttt	240
ttctttttaa	aagtgatata	ttaaacttat	atacaggata	attagcaaaa	tgtagaaagg	300
gaaaacaatg	tacaaaagac	agataaaaac	catcactctc	gacggatagt	cacaatccaa	360
aaatagtata	aaccttaaca	aaccctctct	aaaccaggtc	atattcacat	ctccccccaa	420
gttttgtcag	tgagaataaa	atatactgaa	ctagtgagct	cagtctttct	ttaaaatag	480

cttgactttg	gaacatgaac	cttggataga	tttttaaaca	tgggagggac	aaacaggaaa	540
accatttctat	ctatccactt	aattagtact	aattaaacgga	acaaagtatt	taaatagctc	600
tcagtgtctaa	gtcaagccat	tattcagagg	cctttttgtt	tttctgctgg	tttcgggggtg	660
agttcttttaa	caagcttctt	atcctgaggt	acattccagt	agattctgcc	atatttctcaa	720
attcaaatgg	cgtgattcca	gttgcaaatt	tgctcatgtc	aggtataggg	ctatgaattt	780
tagtggccgt	tgaaggactg	gtgtctgcag	gaaagagctt	ctggctgccc	ccattgctga	840
tgtcacagtt	tggtagcaca	ctgccattat	caagaagggc	accttcagt	tttaccggag	900
ccaactctgc	tttttccttc	tgacaaaagt	atgtcacctc	agagtctgga	ctggaggcat	960
gtccagcttc	tgattttctt	gtaaaaatct	ctggtacctc	aggctcatcc	agcgtctgct	1020
tttcagatgt	ttttccctcc	gggacagggg	ggtctagctc	at ttggacaa	ggtgatgagg	1080
caacggaatt	gcccagttaa	aggtgtgtcc	cacaggaacg	tcggaagtcg	ctgttttacg	1140
ctcctcggcc	tgctcaagag	ctgccccaga	tccgcctctg	ctgttccttc	ccagttcttc	1200
tagagtcagt	gcgtcctcat	cccacagctc	cagatgctgt	tctggtctgg	ggtgagtcac	1260
tgggagtcag	cggcggggtg	ccctttggga	gtggaggggt	gaagacgggt	ggaggagttc	1320
cccgggggag	tggaggagtg	tcaggaggta	atggtggttg	aaactgaaaa	ctttcgctgc	1380
tctgagaacc	atgtggtacc	tccatatctg	aatcgagctc	catgtcggcg	ggagatccc	1440
ctgagttgct	ttcattcttc	tgcttctttg	gactacctgg	gctagagtga	gatgaagacc	1500
tcttgttgcc	agacttcaca	cctggcgctt	ggaagttaga	agtaaggtaa	ttggcaaaca	1560
catccttctg	ctgacatgcc	tgcattggta	tggaaaccaa	gatcctccat	tcgtctggaa	1620
ttcctctggg	agtagatata	ttaaaaccag	gatagttgac	caattttgag	agatcgtaag	1680
tgacactttt	attctgttgt	at ttctccaa	cttctgtttc	cccatcagt	ccatcttttc	1740
catcatagag	tgcaagcccc	gaattctcca	attcagcctc	tttgagccac	cctggtgggt	1800
accctagctg	gcgcatccga	tagataaaa	gtggaagact	cttgtctgtc	acacctagt	1860
catcttgaag	ttcctcacta	ataactcctg	gcttgaatct	tccaaatctt	tcttctactt	1920
cttctgcgtg	gtatcgctgc	tggaaaattct	gattgtttgc	ttctccacag	gcatccatat	1980
actcttttct	cttttcaact	attcgagcag	cattccgagg	cattgggcaa	tctttcattt	2040
ggtgttcttc	agaaccacaa	ttgagacagt	gaggctttgg	cactgaaagc	ttccttggtg	2100
tttttaatgg	cacaggactc	ttccactttg	tggctcctct	ctagcacaat	actggatggt	2160
ttgaaatagc	attgttcatg	aatagaatct	gtaatatagg	tccatctaac	ttagtatcgt	2220
tcaccaatat	tccactcggt	cgagtcagaa	tgctcaattt	tcgtttaagt	tcttgattct	2280
cggcgcgagg	ctgctcgatg	gtctcctcgc	actgccgaag	ccgctcccgt	agctccgcgt	2340
cgccgacccc	at ttctgtcc	tcctagtcgc	cgctcgtcgtc	cttgaagcga	gtacgaaa	2398

<210> 5071

<211> 778

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (103)...(605)

<223> similar to gi3395780 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5071

ttgctgccgt	ttaaagctgc	ttcagaattc	atcctaggga	agagtgagct	gggacaagaa	60
accacccctt	ctttcaatgc	aatggctcgt	aacaacctga	ccctccagat	tgtccagggc	120
cacattgaat	ggcagacggc	agatgtaatt	gttaattctg	taaaccacaa	tgatattaca	180
gttggacctg	tggcaaagtc	aattctacaa	caagcaggag	ttgaaatgaa	atcggaattt	240
cttgccacaa	aggctaaaca	gtttcaacgg	tcccagttgg	tactggtcac	aaaaggattt	300

aacttgttct	gtaaataatat	ataccatgta	ctgtggcatt	cagaatttcc	taaacctcag	360
atattaaaac	atgcaatgaa	ggagtgtttg	gaaaaatgca	ttgagcaaaa	tataacttcc	420
atttcctttc	ctgcccttgg	gactggaaaac	atggaaataa	agaaggaaaac	agcagcagag	480
attttgtttg	atgaagtgtt	aacattttgcc	aaagaccatg	taaaacacca	gttaactgta	540
aaatttgtga	tctttccaac	agattttggag	atatataagg	ctttcagttc	tgaaatggca	600
aagaggtcca	agatgctgag	tttgaacaat	tacagtgtcc	cccagtcaac	cagagaggag	660
aaaagagaaa	atgggcttga	agctagatct	cctgccatca	atctgatggg	attcaacgtg	720
gaagagatgt	gtaaggccca	cgcattggatc	caaagaatcc	tgagtctcca	gaacgaaa	778

<210> 5072
 <211> 1824
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1825)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(389)
 <223> similar to gi4567180 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5072	
ccagagacac	cacctggagg
cggggactgc	tggaagagct
caccggggag	aagccctaca
ggcgggtgcac	cggcgtgccc
gcgggttcagc	aaaggggagc
ctaccactgt	cctgcctgcg
gaagacccag	caccgccagg
catcattcat	ctttctcact
caactggtccc	atcgccttcc
ttagagcttc	cagagagcat
ttcttccaat	gtttgagggg
ttcagtggac	tgtctgtgtc
cacgtgttgg	tagctgggac
gctcagactc	ttccccacc
ctgagcacct	ggcgtggga
gggtgtgcgt	tggggatgca
gctgtgtgcc	cgtgagaaca
tcttccctcc	ccagctggga
gcctcatctg	tgtcaggcta
ttccttgcac	tataacaact
gatcactgaa	taaacatcag
ttaaaatgag	tctgaaagat
agttcataaa	attaatttca
gccctgtaac	aaacatgtca
tgccaccagc	tgccaccagc
gcagcacctg	caggtgcacc
ttcagcagga	atgccaatct
tgtgcgggaa	gggtgccagg
atccatacag	gggagaagcc
tccatcctca	accggcacca
tagcaggtgg	caggcagcac
aggtgatggc	tgcaggaaag
aaaggcaagg	cctggcttac
caagtgggtgc	ttaaacaattt
ttcaggctga	gattttctcc
gagtaaaggc	aaaaccttga
gtcttgccctg	cagggtcata
aaacatttat	tgaacatcct
ctagacgtga	tgcctctggg
ggcattctca	gggtattctgt
ccctcctgcc	ccgtgctgga
tgaattttac	attatttgga
taaaacttcc	ccgtccatta
gaagttagta	ttttgctatt
tctagaaaga	actgttataa
tatatattgat	ggcactttat
tttcccaagt	atttattgag
atgaataaaa	

taggggggaga	agctgttgac	ctcgtaaagc	ttatgtctcg	tgatgtacc	tgatcttcag	1500
aaccctgtgga	tattcctgca	aatcctctgg	gcctgtattc	attgctttgt	cagcatcttg	1560
ccctgaaatg	catttgtcac	ctacctcttg	ttactaaatg	gtctctgccc	tccagaccct	1620
tgatcatccaa	ggcactaggg	gtcctggaca	cccactgggg	atgatgagct	ggtagcnacc	1680
tgttttgcat	gagtgcgaag	tcaggaaaaa	taaagatatt	tgtaggcatt	aaaaaaaaat	1740
acatttcttt	aaaaatcgag	aagatgcaat	atttgtaaac	tggtgaagct	tccttattgt	1800
gccatcactt	aagggtttca	tttc				1824

<210> 5073
 <211> 2399
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(821)
 <223> similar to gi31867 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5073						
cttcaatata	gtttttagat	aatgcattta	ggaaaaggtg	gcaaactctc	ctctcagttg	60
atgaccttgt	ggagaaactg	gtcaagaggg	tggagttcac	tggggagctc	aacaacactt	120
acatcttcta	tacctcagac	aatggctatc	acacaggaca	gttttccttg	ccaatagaca	180
agagacagct	gtatgagttt	gatataaaag	ttccactggt	ggttcgagga	cctgggatca	240
aaccaaata	gacaagcaag	atgctgggtg	ccaacattga	cttgggtcct	actatttttg	300
acattgctgg	ctacgacctt	aataagacac	agatggatgg	gatgtcctta	ttgcccattt	360
tgagaggtgc	cagtaacttg	acctggcgat	cagatgtcct	ggtggaatac	caaggagaag	420
gccgtaacgt	cactgacctt	acatgccctt	ccctgagtc	tggcgatatc	caatgcttcc	480
cagactgtgt	atgtgaagat	gcttataaca	atacctatgc	ctgtgtgagg	acaatgtcag	540
cattgtggaa	tttgagctat	tgcgagtttg	atgaccagga	ggtgtttgta	gaagtctata	600
atctgactgc	agaccagac	cagatcacta	acattgctaa	aaccatagac	ccagagcttt	660
taggaaagat	gaactatcgg	ttaatgatgt	tacagtctcg	ttctgggcca	acctgtcgca	720
ctccaggggt	ttttgacccc	ggatacaggt	ttgacccccg	tctcatgttc	agcaatcgcg	780
gcagtgtcag	gactcgaaga	ttttccaaac	atcttctgta	gcgacctcac	acagcctctg	840
cagatggatc	cctgcacgcc	ctctttctga	tgaagtgatt	gtagtaggtg	tctgtagcct	900
agtcttcaag	accacaccct	ggaagagttt	ctgggctggc	tttaagtcct	gtttgaaaaa	960
gcaacccagt	cagctgactt	cctcgtgcaa	tgtgttaaac	tgtgaactct	gcccattgtg	1020
caggagtggc	tgtctctggg	ctcttccttt	agctgacaag	gacactcctg	aggtctttgt	1080
tctcactgta	ttctttttat	cctggggcca	cagttcttga	ttattcctct	tgtggttaaa	1140
gactgaattt	gtaaacccat	tcagataaat	ggcagtactt	taggacacac	acaaacacac	1200
agatacacct	tttgatatgt	aagcttgacc	taaagtcaaa	ggacctgtgt	agcatttcag	1260
attgagcact	tcactatcaa	aaatactaac	atcacatggc	ttgaagagta	accatcagag	1320
ctgaatcatc	caagtaagaa	caagtacat	tgttgattga	taagtagaga	tacatttttt	1380
atgatgttca	tcacagtgtg	gtaagggttg	aaattcaaaa	catgtcaccc	aagctctggt	1440
catgtttttg	tgaattctag	gctgggtgct	cactgaaata	gagcagtaag	cttgtgataa	1500
aggccaattc	caggtagctc	ttgaagggtg	tagccatcta	ctttccagt	gctgccaaac	1560
acagggagtg	ccagttaaca	ctggaaggat	taaggcaagg	tcccttctct	tgagactccc	1620
ctctgagatc	tgaaaaatga	agtggccttag	gaacatcagc	agtgaagaac	tgccaagagt	1680
tggtgaagg	tgtctcttcc	gagggccttc	tgaagacagg	gctcttgaac	agacaagtgg	1740
aagggctgta	ccagggataa	aggaaagaag	tgctgtcca	gcaggagct	tgaatttaag	1800

ttccatgtat	gaagtcattg	gctctatctg	catttttctg	tcatttctctt	catttgtttt	1860
aaggtggaaa	attttcttac	agttgatgca	aagtatcaac	tactttaccc	taccttctcc	1920
ccttttagat	gggttcttcc	tgagttttgg	agtcttgat	gattatcagt	attcccctgt	1980
caaaatcaaa	tctattcagg	tttcttcact	gttgagaaca	cctaaatggt	tttatttttg	2040
agaagtgggg	acagagtctc	actatgtcac	ccaggctgga	gtgcaatggc	atgatctcag	2100
ctcactgcaa	ccttcgcctc	ctgggttcaa	gcgattctcc	tgccctccgc	tcctgagtag	2160
ctgggattat	aggcacacac	caccacgccc	agctaatttt	ttgtattttt	agtagagaca	2220
gagtttcacc	atgttgacca	ggctggctct	gaactcctga	ccttgatgat	caccacacct	2280
ggcctcccag	agtgtctgga	ttacaggcat	gagccaccac	gcttggttaa	gaacacctaa	2340
atttttatgt	ttcttggtc	aaaaaccagt	tccatttcta	atgttgctct	cacaagaag	2399

<210> 5074

<211> 2799

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2800)...(697)

<223> similar to gi5817149 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5074

aggaaaaatg	tcatttattc	aaaatatgaa	attttattat	aattgatgtt	taatgcaatt	60
cactttacga	aggtttttgt	ggttttccct	aaaatttctg	ttttaatgaa	ggctcctgat	120
catcctggat	gtcgacaagt	tttcttcttc	atgtgacgtc	tctgatgcac	aataaactga	180
ttagtttttc	taaaactgat	tatattcata	gggtttcatc	tcactctaac	ataaagttta	240
agctaaacta	cgtccattta	actaataagc	caaatttgta	agagcttaac	agactataaa	300
cttaactctt	gctttaaagc	aacaaaaaca	aaacctgat	gaagacctgg	aagtgaattg	360
ttcgtttttc	agactctagc	ttccttgacc	ttgtgctcta	tggttttgaa	cacacaggac	420
ccaagtttgc	tcagaaata	acctccaaat	ccatcttatg	aaccaggaag	actgtgaggg	480
tttttctttt	ttttttttaa	gggccaaggg	taaatgtaat	atttatcatt	agcaccacat	540
cccatgggtca	gccccacctg	aataaacggc	atattgggat	ttttccacaa	actatgagcc	600
taatgaaaaa	ggaaatggat	aagggaacaa	agttcccagc	ctatgtcaca	tgagtttctg	660
cactatgtgt	tatgtggtaa	ggtatgcatt	ccctcaggac	ttcccaaata	cattacatgc	720
tagggttttc	tctctggtat	gcattctggt	gtgatgtacc	ctaagagctg	ccttacggac	780
aaaagttttc	ccacattcat	cacattcata	gggtttctcc	cctgtgtgaa	ttctctggtg	840
tactctgaga	gttgaatttt	gggcaaaagc	tttcccgcat	tcattacact	catagggttt	900
ctccctgtg	tgaattctct	ggtgtgcact	aagggtgtgat	ttctgggaga	acgttttccc	960
acaatcatta	cattcatagg	atttctcccc	tgtgtgaatt	ctttgatgta	ctctgagggt	1020
tgaattatgg	gcaaattggc	tcccacatac	attacattca	tagggtttct	cccccgatg	1080
aactctctga	tgtgcactaa	catatgactt	ctcagagaag	gttttccac	attcactgca	1140
ttcataggg	ttctccctg	agcgagttct	aagatgtgct	ctgagatgtg	atgtcttgga	1200
gaaagtcttc	ccacagtcat	tacattcata	gggtttctcc	cctgtgtgaa	ttctgtgatg	1260
tgccctgagg	gctgaattat	cagcaaacgt	tttccacat	tcattacact	catagggttt	1320
ttccccagta	tgaattctct	gatgtgcaca	gagggtgtgt	ctttgggaga	aagttttccc	1380
acattgggta	cattcatagg	gtttctcccc	tgtgtgaatt	ctttgatgca	ctatgagggc	1440
tgcccttatag	acaaaagttt	tcccacatac	gttacattca	tacggttttt	cccctgtgtg	1500
aattctctca	tgtccactga	ggtatgattt	ctgggagaaa	gttttccac	acttgctaca	1560
ttcataggg	ttctccctg	tgtgaattct	ccgatgtgta	ctgaggcgtg	tcttctggaa	1620


```

ccgcatggcg tccaagcgcg tgcaggagct cagtaccagt ctcttctttg ctgttctggt 1080
caaggagagt ggccccctgg agtcagaagc catggtgatg ggcatcctga agcaagcctt 1140
cgacgtgctg gtgctgctgct acggcgctgca gaagcgcatc tactgcaacg cactggccct 1200
gcggtcccac cacttccaga aggtggggcaa gaagccggaa ctcacgctgg tctgggagcc 1260
tgaggacatg gagcaggagc cagcacagca ggtcatcacc atcttcagcc tggtgagggt 1320
ggtcctgcag gcagagtcca cagccctcaa gtacagcgcc atcctgaagc ggccaggcac 1380
ccagggccac ctggggccctg agaaggagga ggaggagtct gacggtgagc ccgaggactc 1440
aagcaccagc tgagctccac cagccgcctg cccgcctgc cccgcctgcc tgtcccgcc 1500
cactggcctt aggacctgtt gacacggagg ggggttttta atttggtttt taacaactca 1560
gggggttggt tttattttta ttttaatttt gcagctcaac ttttaacaa actgcagggg 1620
agagggtggg gctggaagga aggctgaggc ctggtcagca gtgacccag cagagcaggc 1680
cccagtcctc ctgggagggt ggccccctt ttttctggg ccctactgcc ctctctgcc 1740
caggaaatgg ggggggttca gcaactcagt gtcacagaat aaaatcaagt gtggagtgcc 1800
atctggtgtg tagggcgctt ctgggaagcc tgggcagcag aatgccctt gcaccaggg 1860
caagggaccc agttcaggct tcacccctcg ctgctgagcc gatgtcaaca cctggaactt 1920
tcctgtcagt tccaacacga ttcagagctg gctgcctggc agatgattga tactggagtc 1980
tcattctgcc tgattaaaaa tggattagt atgcaacact gagagcgccc ccatcacct 2040
gacgaatgtg actgtgtctg acgaatgtga ctgtgtccaa ccctgcccc acttcctctc 2100
tgcaccagct ccgcagggcc tggtgagggt catgggtcct gtgatacccc ctcccctcag 2160
ttcctcaagc agcactctgt gagtcctgt gccagctct ggtgtgagtg ggtgccccgg 2220
cagaccaag ggagcctgga cagaggagcc ggcctgggct g 2261

```

<210> 5076

<211> 526

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(399)

<223> similar to gi5640015 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5076

```

atacaaatgt gaggtgtgta caaaggggtt cagtgagagt tcacgccttc aagcacacca 60
aagggttcat gtggaaggga gaccctataa atgtgaacag tgtggttaagg gtttcagtgg 120
gtattcaagt cttcaagccc atcacagagt ccacacagga gagaaaccat acaaatgtga 180
ggtatgtgga aagggttca gtcagagatc aaatcttcag gtcaccaga gagtccacac 240
aggagagaaa ccatacaaat gtgatgcatg tggttaagggt ttccgttga gctcaggctc 300
tctcattcat caaagagtcc atagtagtga taaattctat aaaagcgaag actatggtaa 360
ggactaccct tcatcagaga atctacagc aaatgaagat tctgttttgt tttgaagtcc 420
tcaaatggga gctgaaattt tccagtcact agagtcttt cagtagaaaa agaattttta 480
aaaattaaaa tgtaatgttg ctgcccact tcaacattca taatgg 526

```

<210> 5077

<211> 1115

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1014)
 <223> similar to gi5353887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5077

atggatgaaa	caggaaatct	gacagtatct	tctgccacat	gcatgacac	tattgatgac	60
ttccgcaatc	aagtgtattc	caccttgtag	tctatgatct	ctgttgtagg	cttctttggc	120
aatggctttg	tgctctatgt	cctcataaaa	acctatcaca	agaagtcagc	cttccaagta	180
tacatgatta	atttagcagt	agcagatcta	ctttgtgtgt	gcacactgcc	tctccgtgtg	240
gtctattatg	ttcacaaagg	catttggtct	tttggtgact	tcttggtgcc	cctcagcacc	300
tatgctttgt	atgtcaacct	ctattgtagc	atcttcttta	tgacagccat	gagctttttc	360
cggtgcattg	caattgtttt	tccagtccag	aacattaatt	tggttacaca	gaaaaaagcc	420
aggtttgtgt	gtgtagggtat	ttggattttt	gtgattttga	ccagttctcc	atttctaata	480
gccaaaccac	aaaaagatga	gaaaaataat	accaagtgtc	ttgagcccc	acaagacaat	540
caaactaaaa	atcatgtttt	ggtcttgcat	tatgtgtcat	tgtttggttg	ctttatcatc	600
ccttttggtt	ttataattgg	ctgttacaca	atgatcattt	tgaccttact	aaaaaatca	660
atgaaaaaaaa	atctgtcaag	tcataaaaag	gctataggaa	tgatcatggg	cgtgaccgct	720
gccttttttag	tcagtttcat	gccatatcat	attcaacgta	ccattcacct	tcattttttt	780
cacaatgaaa	ctaaaccctg	tgattctgtc	cttagaatgc	agaagtcctg	ggtcataacc	840
ttgtctctgg	ctgcatccaa	ttgttgcttt	gaccctctcc	tatatctctt	ttctgggggt	900
aacttttagga	aaaggctgtc	tacatttaga	aagcattctt	tgtccagcgt	gacttatgta	960
cccagaaaga	aggcctcttt	gccagaaaaa	ggagaagaaa	tatgtaaagt	atagtttaaa	1020
cccatttcca	gtccaaacca	atgaaaatag	tttcccaaat	aagtattttg	tcaaatcatt	1080
tacaaaaaaaa	ataaaaattt	tacttaaaaa	aaaaa			1115

<210> 5078
 <211> 1669
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1665)...(1274)
 <223> similar to gi4973108 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5078

tttttttttt	ttagcttaca	aacaacagaa	ttttatttct	catagttctg	gaggcctgga	60
agttcaagat	caaggcaacg	acagagtcgg	tgtttgccg	acagctgggt	ttttggttct	120
catacatgtc	atcttcttgc	cacgtcctca	tatgggtgaa	gggtcgagtt	agctctctgg	180
ggccttttta	aataagggca	ctaataccta	tcatgagggc	tctgcactcc	tgatctaata	240
acttcccaaa	ggccacttc	ttaaatgcca	tcaccttggg	gattaggatt	tcaacataat	300

```

ggcttttgag gggatacaaa ctagaactaa agaacagacc ataggcacca gctaaagact 360
ggtatgtcag taagaatagc tgaatgaggc tggaaagaga taataattag aagggacaaa 420
gtcccattcc agagcccaac acctagggtt tcattaggct ggggtttctc aaactcagta 480
caactgacat tttgggccag attatttttc gttgtggggt actgccctgt gcattatagg 540
atgttttagcg gcacccctgg ctctctattta ctggatgcca gtagcacaca catcccacca 600
tcccccaacc ccccaagtat aatgacaaaa atgtctccaa acattgcccc atgtcctctg 660
ggggggcaaaa ttgccccag ttgagactgc tgtattcaat ccacttccat tagttctctt 720
taaatacaca cattctggtc gatataacag atagaaattc ctgatctaga cagcagaatt 780
ctgttggtgt aagagagaat acacaattat agctaaactc ttattctcac tttatataaa 840
tttattttaca ctcacctaac tacattattc taacaaaaca ctgggacaac ttgtaaaagt 900
acttatgcat atgtgcagga caggaagaga aaataaagga accagattta ttggggtggt 960
ttaagtgaga tcatgggatg aactcgttta cttctattca gcagtagcct ttgtggtccc 1020
aggcttccgg tggccagata attccctcaa ctccatgagc aggtgaccga ggaggactct 1080
cacatcctgc atgtgtttga gaagaaggcc catctggtga tacagatgag gatctggcat 1140
ccccagagga gaagaaaagc ctggatcctc agaagatggg gttggcggcg gaggcagagg 1200
cccaggggcc tcctcaggag cagttcctgg agcagctgat ttctgaggag ctggattcaa 1260
tgtgggaggt gcagcagagc tggaaagcacc ctgcactctg atctctagct gggggctctg 1320
tttccaaact tggttgtcct cagtggctgc ctcacaccag tatgaccggg agtgatcttc 1380
tgaagctgtg gggatctgga attctgagga gagccccctg ctttgacta tccttccatc 1440
cttgtagaag gagaagagga ggcgggcagc tgacctctgc aggggcaact ttgtctgaca 1500
actcagggtc atggggcttc ctgcttgggg ttcagctgag ggtacagctc tgagaattgg 1560
cgctggaaac agttcttgga ctgtgatagc cacaacagat gctgtttctg ggatcccagg 1620
accagggctc tggaagatgc cactgcagtg gtagtgcccg ctgtctgcc 1669

```

<210> 5079

<211> 913

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (13)...(236)

<223> similar to gill176422 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5079

```

ttcactgcag aagaagggga cttgtggttt accttgagag ggaacgcccc cgttcagggt 60
cacttcctgg atccttactg ctctgcctcg gtggcaggag cccgggaagg agattatatt 120
gtctccattc agcttgtgga ttgtaagtgg ctgacgctga gtgaggttat gaagctgctg 180
aagagctttg gcgaggacga gatcgagatg aaagtcgtga gcctcctgga ctccacatca 240
tccatgcata ataagagtgc cacatactcc gtgggaatgc agaaaacgta ctccatgatc 300
tgcttagcca ttgatgatga cgacaaaact gataaaacca agaaaatctc caagaagctt 360
tccttcctga gttggggcac caacaagaac agacagaagt cagccagcac cttgtgcctc 420
ccatcggtcg gggctgcacg gcctcaggtc aagaagaagc tgccctcccc tttcagcctt 480
ctcaactcag acagttcttg gtactaatgt gaggaacaa acatgttcag gccccgaaca 540
tttccgggtg tgactcggcc ttaaactgtt gtgccataat ggaaaatata tatctatctg 600
ttctcaaata ctgtttttct catagtgtaa actcacattt gatgtgtttt tatgaaggaa 660
agtaaccaag aaacctctag gaattagtga aaaaagaact tttttgaggt gtgttactat 720
actgctgtaa gttattttat atataaagta ttgtaaatag aatagcgttg aagatatgaa 780
atatggctat ttttaattggt gacaattatg acttttagtc actattaaat tgggggttacc 840

```

tatatcagta	caattttag	ttgtttccag	gtttggctaa	taatcattcc	ttaacctaga	900
attcagatga	tcg					913

<210> 5080
 <211> 686
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (193)...(372)
 <223> similar to gi2865208 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5080	
ctggggccgca	gggcagtgca ctccctcagcc ggcttcctct ggtcacgccg gcggggccgc 60
agcactgtgt	gaggggtggg gccctggcac ctagcttggg cacgtgccct cctagccgga 120
cctccacag	gcaggggctc tgctcccacc tgctctgcc agcccactag tgctcaccgt 180
tccctaggtg	tgtttgtcaa agtgtctctg atgaaccaca acaagtttgt caagtgcaag 240
aagacttcag	ctgtgctggg ctccatcaac cctgtgtaca atgagacctt cagcttcaag 300
gccgatgcca	ccgagctgga taccgctagc ctcagcctga ctgtggtgca gaacatggaa 360
ggggacagta	aggccacacc ctaccctggg ctgctgggat ggggaccacg aggggctgcc 420
gagtgttcag	gcagagttag tgctcctgt cctgacctca aaaggagctg tacgagctcc 480
ctccctgggt	aaggaaacta gtgctcagaa aggctgaaat attgccaag gcctgggttt 540
caggcccagc	tttagtccag ttgagctctg tctgtggcac cctagaaaca ggtaagcag 600
ccgggcatgc	tggtcacat ctgtaatccc agcaccttgg gaggccaagg tgggtggatc 660
acttgagctc	aagagttcaa gaccag 686

<210> 5081
 <211> 1642
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(524)
 <223> similar to gi4038081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5081	
atgagacgct	ttttaagcaa agtctacagt ttcccaatga gaaaattaat cctctttctt 60
gtctttccag	ttgtgagaca aactcccaca cagcacttta aaaatcagtt cccagctctg 120
cactgggaac	atgaactagg cctggccttc accaagaacc gaatgaacta taccaacaaa 180

ttcctgctga	tcccagagtc	gggagactac	ttcattttact	cccaggtcac	attccgtggg	240
atgacctctg	agtgacagtg	aatcagacaa	gcaggccgac	caaacaagcc	agactccatc	300
actgtgggtca	tcaccaaggt	aacagacagc	taccctgagc	caaccagct	cctcatgggg	360
accaagtctg	tgtgcgaagt	aggtagcaac	tggttccagc	ccatctacct	cggagccatg	420
ttctccttgc	aagaagggga	caagctaattg	gtgaacgtca	gtgacatctc	tttgggtggat	480
tacacaaaag	aagataaaaac	cttcttttga	gccttcttac	tataggagga	gagcaaatat	540
cattatatga	aagtccctctg	ccaccgagtt	cctaatttttc	tttgttcaaa	tgtaattata	600
accaggggtt	ttcttggggc	cgggagtagg	gggcattcca	cagggacaac	ggttttagcta	660
tgaaattttg	ggccaaaatt	tcacacttca	tgtgccttac	tgatgagagt	actaaactgga	720
aaaaggctga	agagagcaaa	tatattatta	agatgggttg	gaggattggc	gagttttctaa	780
atattaagac	actgatcact	aaatgaatgg	atgatctact	cgggtcagga	ttgaaagaga	840
aatattttcaa	cacctcctgc	tatacaatgg	tcaccagtgg	tccagttatt	gttcaatttg	900
atcataaatt	tgcttcaatt	caggagcttt	gaagggaagt	caaggaaagc	tctagaaaac	960
agtataaaact	ttcagaggca	aaatccttca	ccaatttttc	cacatacttt	catgccttgc	1020
ctaaaaaaa	tgaaaagaga	gttggtatgt	ctcatgaatg	ttcacacaga	aggagtgggt	1080
tttcatgtca	tctacagcat	atgagaaaag	ctacctttct	tttgattatg	tacacagata	1140
tctaaataag	gaagtatgag	tttcacatgt	atatcaaaaa	tacaacagtt	gcttgatttc	1200
agtagagttt	tcttgcccac	ctatttttgtg	ctgggttcta	ccttaaccca	gaagacacta	1260
tgaaaaacaa	gacagactcc	actcaaaatt	tatatgaaca	ccactagata	cttcctgatc	1320
aaacatcagt	caacatactc	taaagaataa	ctccaagtct	tgccagggcg	cagtggctca	1380
cacctgtaat	ccaacacttt	tgggaggcca	aggtgggtgg	atcatctaag	gccgggagtt	1440
caagaccagc	ctgaccaacg	tggagaaacc	ccatctctac	taaaaatata	aaattagccg	1500
ggcgtggtag	cgcatggctg	taatcctggc	tactcaggag	gccgaggcag	aagaattgct	1560
tgaactgggg	aggcagaggt	tgcggtgagc	ccagatcgcg	ccattgcact	ccagcctggg	1620
taacaagagc	aaaactctgt	cc				1642

<210> 5082

<211> 1137

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(269)

<223> similar to gi2598168 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5082

tggagagaaa	ccattttaat	gtgaggaatg	tgggaaagaa	ttcagttgga	gtgctgggtct	60
cagtgcccat	cagaggggtcc	acacaggaga	gaaaccctat	acgtgtcagc	agtgtgggaa	120
gggcttcagt	caggcctcac	attttcacac	acaccagaga	gtccacactg	gagagaggcc	180
ttacatatgt	gatgtctgtt	gtaagggctt	cagtcagagg	tcacatctca	tctaccatca	240
gagagtccac	actggaggga	atctgtagaa	atgagaggtg	tggttcagcc	ttcagttaga	300
gtcacatct	ttgtctccgt	tgggaagtcc	atgctgatga	ttgtgaaaag	ttccttttaa	360
actagaagct	tcaaagaatc	ttgacaggaa	agaagtctct	caaagtctgt	gttttagact	420
tggttaggac	atgaattctt	tacaaacgtc	atatttcaca	gatgagagaa	aactttgttc	480
tgtaaatatg	atcagtgttt	atatcagagt	accaggtgtc	ccggttctca	agatgtaaca	540
cagcagaaaa	gtcttgtcgg	agtctgcaca	ggagagaggc	cttcctttta	caaaagtatg	600
attgacagaa	aaaatggatg	tcaactaaaa	tgtaacctct	atgtaaggag	gtgtttttca	660
ccactctatc	tctaccatgt	agaattgtgc	ttggctcata	atagggccca	gcaattactg	720

aagaaagtga	agaaaataacc	tataattagg	acaaataactt	gaaaatttcta	gtctgttttc	780
tactctaaat	ttatattaat	ttatattcaa	aaggaatcct	gcaagtagcc	ttaatgacgt	840
tagtttcagt	aagtactgaa	aagtatataa	tactgccatc	cataactaaca	caaatttgga	900
aaaaagacat	gaatggctcc	catccttcag	ccttagttct	ttgtacagt	tatcatcagt	960
tgtgtacagt	atgattttta	gtgtcagttt	atagactgaa	caatactgtt	tttatctaata	1020
gtgaccctgc	aatttacatg	attagaattt	ttggccccta	agctgtactg	taactctgaa	1080
agtgttaaaa	gtagttactg	atgacaaaaa	gtttcttagt	aaacttgaat	tgttaaa	1137

<210> 5083
 <211> 1839
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1840)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (295)...(640)
 <223> similar to gi4455730 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5083						
gagattgcaa	acctcatctt	ggctgagaac	tgcgaggctg	ccctggctct	tcatctctat	60
aggggaggca	ggcttttgca	aggccaccga	atcccttttg	gagtcacctt	tggtggaact	120
gatgtaaagt	aagatgccaa	ccaggcggaa	aaaaacacag	tcatgggcag	agttcttgag	180
gaagccagat	ttgctgtcgc	tttcacagag	tcaatgaagg	aaatggcaca	agcgagtg	240
gtcgatccag	tgtttacaag	ggaagtga	gccaaagtga	aaagagccgc	tggggtacga	300
ttgattggag	agatgcctca	agaagatctg	cacgcggtg	tgaagaattg	cttcgcggtg	360
gtgaatagct	ctgtctctga	aggcatgtca	gctgcaattt	tggaggcaat	ggatttagaa	420
gtaccggtat	tggccaggaa	catccccggg	aatgctgccg	tggatgaagca	tgaagtcaca	480
gggctactgt	tttccaatcc	tcaggagtgt	gttcatctgg	caaagagact	ggtagtgat	540
cctgcattag	aaaaggaaat	cgtagtgaac	ggaagggaat	acgtgagaat	gtatcattca	600
tggcaggtgg	aaagagacac	ctaccaacag	ctcatcagga	agctggaagg	aagcactgaa	660
gattgagggc	cccgcctcat	cagacacctg	ctctctgaca	cacagctctg	ggtgcacact	720
cagagacaga	gttctggatc	acgtgggccc	agtgcagttc	aaataaaaacc	agcctcagcg	780
gaatccctaga	aaatgttagt	cgtgagtc	cagagccact	gcattcatcc	catatccttc	840
tgtgcgttca	gatgctgtcc	caggcgtgtt	caccagccag	tcctgatgga	ggtgcatgag	900
tgactgggtt	gactgggaca	gggaaagg	aactggtttt	cagggaattt	gggagagaat	960
ttgattacct	gccttagggc	tttgggtgg	acaatagagg	cttattttca	agcagtcagt	1020
gttcagactc	ctccgcctg	ccttctgacc	aacctctccc	catcgttgcc	agtttgaaag	1080
gcaaaagcaa	aacagacgtg	tcagctgagc	cgagtcctcg	caggattttt	gttgtgatct	1140
caggactctg	acaggcacgt	gggtgacccg	aggcttctct	gaacactaga	aagcgctgtg	1200
agtgcagctca	cgcccgccac	agctcacttt	tcaatgggtg	aattgaaagt	tgtgcttttt	1260
agaaaagtgg	ccaggctgcc	cgcaggcccc	gccacctct	tggctgaatt	tgagtggaaa	1320
accaggaagg	aacaagcgcc	acgtcacgca	tagcctgcaa	atcgcccgcg	tgaccctgag	1380
atggaggcct	gaggctttgg	gtccagggtg	ggctcttccc	cttcccacat	cagggaacccg	1440
gggatggatg	tcggaagggt	caccagcctc	cagcctttgg	caggatggag	cttgggtctg	1500

```
cagggccttg cagccacaca gcgaggtcag tccggggcca gccgcgccat catggtaatg 1560
gtggcctcgc cccatccatg tcatccatgt cacatgagga cgtgcagtct ttccttgttc 1620
cttttcctta gtgggaattt tgcctgggga gaacctccac ttgaataatt gaaatttttt 1680
tgcatcgctt gttgggattt cctttacgga caatgggggg aacgcggtgt ttcccacctc 1740
ttgtgggtag aaagcagtct gctttgagga ggcgagaagg caaagcangg ggcaggggct 1800
ttgctgtggg aagcgttcgg tgaaagcggg tttcgacgc 1839
```

```
<210> 5084
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (85)...(406)
<223> similar to gi3327076 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 5084
gggttcaaga cccacttctt ggtctgtggg cctggggagg ggtgctggtc aaggagcatg 60
ggtggtgaca gaggtgtctg ggggcagtgt gagatgaatc agatgagcgg agaacctctg 120
gacaagctga acttcgaggc catcaacttc tgtcggggtc tgggcagcca ggcatccacc 180
gtgactgaga ttgtgaagca gcaagacccc ctggtctaca aggccatcca gcaaggcatc 240
aatgctgtga accaggaagc catgaacaat gcacagagga ttgaaaagtg ggtcatcttg 300
gagaaggact tttccatcta tggtggagag ctagggtcaa tgatgaaact taagagacat 360
tttgtagccc agaaatacaa aaaacaaatt gatcacatgt accactgact gctttgatgg 420
agctgctctc agctgttctg atgccttcag caggaagac 459
```

```
<210> 5085
<211> 774
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (633)...(516)
<223> similar to gi5689451 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```
<400> 5085
cactataatg attggtatta aagctgtttt tttttctttt tttaaaaata catgtcaaaa 60
ttttcttgga ctcccctggc aagcaggtat acttcaagag cacgggagct tttctttcaa 120
gagtccacat ttccaggaag gctggtgaga gcaaacgagg gactttcagt aacctggcaa 180
```



```

ggcagaataa agtgaccaag ctggaacgaa tccccctgtg ccctggcttc atcgggacta 240
cctgcaggct gatcaggggt ggccagccac aaacacctcg agggccttcc atttcacttc 300
acactggcag gcacttactc agccctgtta aacacacggt tagtgccata tgcttgagct 360
gagatcacta ggaggggagc cgctgggtaa ctctttggga cttcacattt ccagagggag 420
gcatcttggt tttccctca gctgtgaaa ttcttttgg aaagcttaag agcaaggctg 480
ccctttgcac acaaggacat gctgaccgtt atacctgtg tagatgcctg tctccgttct 540
cattggcagg actactctcc gacccattac tgcttcctga ttgctctttt tcattcaaca 600
aagctgtggc atacgctaac gtgtcctgca gaagattcaa acacaagacg acaaagttag 660
ggcccattca gtggcagcag caaccgccag ggaagactac ctttcatctg accttcagtg 720
ggaccggagg cctgagagtg aggccttcat cacagtcacc agaacccccct caac 774

```

```

<210> 5086
<211> 1806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (211)...(826)
<223> similar to gi5817018 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5086
aagacatcag aatttgtatg tgatccatac aatattatgt tttagtatgc ttttagcaaa 60
caaactcact ggtcttttct tactattaat aatgtgctaa ttttgtatgt gagtttctga 120
tcaaactttt tattcctttg tcatcttttc ctactttaat ggatcgagaa gtggcggtgc 180
ttgctgaaat ggacaaagtg aaagctgaag caacactttg ttagtgaacg taaatatgat 240
gaggatctgg gacgagtagc ccggttcacc tgtgatgtag agaccctaaa gaagagcatt 300
gattcatttg gacaagtgtc tcatccaaag aacagctatt cgaccagatc ccgatgtagc 360
tcagttacat ctgtgtcctt gagtagccca agtgatgcct ctgctgcttc ctcttccacc 420
tgtgcctctc ctcccagcct tacaagtgtc aacaagaaaa actttgcacc gggagagact 480
cctgcagcca tagcaaactc cagtggccag ccctaccagc cacttcggga ggtattgcca 540
gggaacagac gaggaggaca gggctatagg ccacaaggcc aaaagtccaa tgaccccatg 600
aaccaagggc ggcatgacag tatgggtcgt tacagaaaca gctcgtggta ttcattctgt 660
tccaggtatc agagtgtctc atctcaggca ccaggaaaca ccattgaaag aggccagact 720
cactctgcag ggaccaatgg aactggagtc agcatggagc ccagccctcc cacgccttca 780
ttcaaaaagg ggtcccccga gcgcaaacc aggcctctc agactgaagc cgtgaactct 840
tgagagaaaa tccagttggc ctctctctc tatccacaca attcaacttg ataactggac 900
tttaggaaac ttacagttag atgtaataac aaaaagaagt ttatgcgtat cactttttgt 960
gccattctaa gtatttttgg tttcttgtct ccttatttcc tctttaccat ttttggaggg 1020
gaagctatgt ttttccctg atctttccca gtgatattga ttgaatctgg ttggtcattt 1080
ccaccaggaa tcagaggcag ctgttaccag gtttcggcct tccagttgat ccctccactg 1140
tccaggctgt ctcaggagga ggtgaatcag agctagtctg tcacctttcc aatctaagcc 1200
gaagccacag gtgcctgaca ggttcccttc taacaactat ttgaccaaga gaggcaatca 1260
gggggttgta tactgcactg gattcgccag agaagggaaa atttaattag tgaaaaggaa 1320
agaacactag gaaacatttg agaacctgcc tctatcccag aatgtgctgg agatttgaca 1380
ctcaaactag tgttttagtct tctgcttggc accatagctt aacctgcagt ttcttcaaaa 1440
tgcccaatgc cttgttttct attaccttag attgcaaacc agtctaggga agtctatgag 1500
aaagtagcat ttaattaaag tttaaaaaaa aaaaggttgg gcgttgtggc tcatgcctgt 1560
aatcccagca ctttgggagg ctgaggcggg tggatcacta ggtcaggagt tcaagaccag 1620

```

cctggccaac	atggtgaaac	cctgtctgta	ctaaaaatac	aaaaattagc	tgagcatggt	1680
ggcgtgtgcc	tgtaatctca	gctactcagg	aggctgaggc	aggagaatcg	cttgaaccca	1740
ggaggcggag	gctgcagtga	gctgagattg	tgccactgca	ctccagcctg	ggagacagag	1800
caagac						1806

<210> 5087

<211> 1784

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (38)...(1483)

<223> similar to gi4768838 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5087

ccagctgcca	ggcaccttgt	aaatacatgg	tgccggggcag	ctggcccatga	ctcatccaag	60
tcatcattta	aatttttgaa	tgaatcctga	tcatgccagg	aattcattat	ctaactgtgg	120
aattcggcag	cccaaatacg	gagacagaaa	agttcatcac	atgcacatgc	ggaagaaagg	180
gattaacacc	ttgataaata	tcatgtcacg	ccttggccaa	gatgacccaa	ctccctcgag	240
gattaaccac	aatgaacggg	tggaattcct	gggtgatgct	gttgttgaat	ttctgaccag	300
cgtccatttg	tactatttgt	ttcctagtct	ggaagaagga	ggattagcaa	cctatcgga	360
tgccatttgt	cagaatcagc	accttgccat	gctagcaaa	aaacttgaac	tggatcgatt	420
tatgctgtat	gctcacgggc	ctgaccttgg	tagagaatcg	gaccttcgac	atgcaatggc	480
caattgtttt	gaagcggtta	taggagctgt	ttacttggag	ggaagectgg	aggaagccaa	540
gcagttattt	ggacgcttgc	tctttaatga	tccggacctg	cgcggaagtct	ggctcaatta	600
tcctctccac	ccactccaac	tacaagagcc	aaatactgat	cgacaactta	ttgaaacttc	660
tccggttcta	caaaaactta	ctgagtttga	agaagcaatt	ggagtaattt	ttactcatgt	720
tcgacttctg	gcaagggcat	tcacattgag	aactgtggga	tttaaccatc	tgaccctagg	780
ccacaatcag	agaatggaat	tcctagggtga	ctccataatg	caactggtag	ccacagagta	840
cttattcatt	catttcccag	atcatcatga	aggacactta	actttgttgc	gaagctcttt	900
ggtgaataat	agaactcagg	ccaaggtagc	ggaggagctg	ggcatgcagg	agtacgccat	960
aaccaacgac	aagaccaaga	ggcctgtggc	gcttcgcacc	aagaccttgg	cggacctttt	1020
ggaatcattt	attgcagcgc	tgtacattga	taaggattttg	gaatatgttc	atactttcat	1080
gaatgtctgc	ttctttccac	gattgaaaga	gttcattttt	aatcaggatt	ggaatgaccc	1140
caaatcccag	cttcagcagt	gttgcttgac	acttaggaca	gaaggaaaag	agccagacat	1200
tcctctgtac	aagactctgc	agacagtggg	cccatcccat	gcccgaacct	acactgtggc	1260
tggtttatttc	aaggagagaa	gaataggctg	tgggaaagga	ccaagtattc	agcaagcggg	1320
aatgggagca	gcaatggatg	cgcttgaaaa	atataatttt	ccccagatgg	cccatcagaa	1380
gcggttcac	gaacggaagt	acagacaaga	gttaaaagaa	atgaggtggg	aaagagagca	1440
tcaagagaga	gagccagatg	agactgaaga	catcaagaaa	taaaggaggg	catgcaagt	1500
tggagtattt	acttgctcag	taactgtgac	tgttgtctat	tgagacctag	cctagttttc	1560
ctgcagacaa	tgaacgaagt	gtgctcattg	aaataaaata	cagagtcaaa	tcgctattgt	1620
tggtttaatg	atctgttttt	agctggatgg	tctttattac	aaagtattag	atttttcttc	1680
tatttaacgg	aaaacttgac	tttggtgaat	gtgcattact	tcctttttatt	ttgctcttta	1740
aataataaaa	ttcaagaagc	atattctatg	tggaaaaaaa	aaaa		1784

<210> 5088
 <211> 843
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(844)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (795)...(174)
 <223> similar to gi3335567 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5088
 tttttttttt ttttgtaggt cagagacagc tggatcagct ccagcccaca tttattacaa 60
 aatagtgacc gcagttcttg tatagaaaag atccctgaca gccaggtaca cctgcaacgg 120
 cccccacccc acagagttcc tctctcaggt gcctcaggtg tggaaagttct cagattcgaa 180
 ggtttcctgc caggagggcg ctgtaccggg cagttgtgag gggcaggtag gcacctacag 240
 cctggtccag aacgtacagt gggtcagaca ggggtgctggg gtcgaagccc tcatttgcca 300
 tccgaacttt ctgctgtttg aaggtctctg tgggtggccaa agactcctgg agcctgagga 360
 atcggggccg ggcataaggt ggcaagttct cagacacgtg ggtgtagagc tgcataaggt 420
 ccaaagcgtg ggggggacgc agaactaggg ctgccattcc agccctgcct tcatgccctg 480
 gcacagtgac tccatagacg ttcacctcct tccacctgaa ggtgtctcca gtacgatcat 540
 ccacctcggt tgtggccaca ttctccccct tccacctgaa ggtgtctcca gtacgatcat 600
 ggaagcggag aaaaccttgg tcatcgcaga ccagcaggtc cccagtgttg aagaaaacat 660
 cccaggccg gaagacatcc tttagcaact tcccctgggc cagctctggc ccgccagcat 720
 agcccaggaa tggggactgc tggcttaccg gggccaccag cagccctggc tcacctggca 780
 gagtctccag ggtcaggagt ggtgtgccta ggggctacaa ccagtgtctc aaantngccc 840
 act 843

<210> 5089
 <211> 851
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (92)...(652)
 <223> similar to gi2673914 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5089

```

gtgactgttt ctttttttgc catcacaaaa taatatTTTta gtcaaatttt taaaatctta      60
ttcagaggac tttacctcat tttttccttt tttcagaact gtgacaattg agaagtgcag      120
gaatagcatc tttgtcttgg gccctgtagg gactacactt cacctccaca gttgtgacaa      180
tgttaaagtc attgctgttt gccatcgttt gtccatctct tctacaacag gttgcatctt      240
tcacgttctt acgcctacac gccacttat tctctctggg aaccagacag taacttttgc      300
cccttttcat acacattacc caatgctaga ggaccatatg gccaggactg gccttgctac      360
agtgcctaac tattgggata atccaatggt tgtgtgcaga gagaacagcg acacaagagt      420
cttccagctt ttaccacctt gtgaattcta tgtatttatt attccctttg aaatgggaag      480
ggacacaaca gagatacccg ggggtcttcc atctgtatat cagaaagcac tgggtcaaag      540
agaacagaag atacagatct ggcagaaaac tgtgaaggag gctcatttga caaaggatca      600
aaggaagcag ttccaggtag tggtagagaa caagttttga gaatggttga ttaatacagg      660
acatcgccaa cagctggaca gccttgtagc ccctgcagca ggctccaaac aagcagctgg      720
ataaggatct tacatgcaga cactggggccc tggaaataca aggataaatg gaggatggtg      780
ctcatcttga aacttgaaac taaattggga aggtgctatt gctgcttaag agacattggg      840
acttttctgt c                                     851

```

```

<210> 5090
<211> 662
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (74)...(604)
<223> similar to gi3287449 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5090
gaagatacaa gtcacggttg atgatcctgt cacaaagcca gtggtgcaga ttcacacctcc      60
ctctggggct gtggagtatg tggggaacat gaccctgaca tgccatgtgg aagggggcac      120
tcggctagct taccaatggc taaaaaatgg gagacctgtc cacaccagct ccacctactc      180
cttttctccc caaaacaata cccttcatat tgctccagta accaaggaag acattgggaa      240
ttacagctgc ctggtgagga accctgtcag tgaaatggaa agtgatatca ttatgccccat      300
catatattat ggaccttatg gacttcaagt gaattctgat aaagggctaa aagtagggga      360
agtgtttact gttgaccttg gagaggccat cctatttgat tgttctgctg attctcatcc      420
ccccaacacc tactcctgga ttaggaggac tgacaatact acatatatca ttaagcatgg      480
gcctcgctta gaagttgcat ctgagaaaag agcccagaag acaatggact atgtgtgctg      540
tgcttacaac aacataaccg gcaggcaaga tgaaactcat ttcacagtta tcatcacttc      600
cgtaggtatg tgtgacatac aaggaaggga tcctaataaa acatgaatgc atgcaaaaaa      660
aa                                     662

```

```

<210> 5091
<211> 1127
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (137)...(505)
 <223> similar to gi4972120 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5091

ggcgtagcct	aagcgtggga	ttccgcgcgt	gcgctcggct	ccgcctggtg	cggccgcggc	60
cgggagggac	tggattatgt	cggcccccgtt	tgaggagcgg	agtgggggtg	taccgtgcgg	120
gaccccgtag	ggccagtgg	accagacctt	ggaggagggtg	ttcattgaag	ttcaggtgcc	180
gccaggcacg	cgcgcccag	atatccagtg	cggcctccag	agccggcatg	tggcgtgtc	240
ggtgggcggc	cgcgagatcc	tcaagggcaa	actctttgat	tctacaatag	ctgatgaggg	300
aacatggact	ttggaggaca	gaaaaatggt	tcgtattggt	cttacaaga	caaagagaga	360
tgcagcaaat	tgttgactt	ctctactaga	atctgaatat	gcagcggatc	cttgggtgca	420
agaccaaagt	cagagaaagc	ttacattaga	gagattccaa	aaagaaaatc	ctggttttga	480
cttcagtgg	gcagaaatct	caggaaacta	cactaaagg	ggaccagatt	tctcaaacct	540
tgagaaataa	ctgctttttt	tctgcattc	tgtggatcct	agcagatatt	gccaaactaa	600
tcagataaac	agattatgta	atggaagaaa	aatgcggatg	cctacagtta	acagattgca	660
aaatgtatct	taaaatgggt	ctaaaaattg	cattcaaca	taatttacat	aggaaatgta	720
ctgtgggaac	tattctatgg	atataatgg	aagttgtttt	ggacttggtt	ttgctcagca	780
tgaagtttta	tatgctgcat	tttactaatt	ccatatttaa	ccatattttt	aatacaaaag	840
aacattagag	tatagatcat	gtgaaatgaa	gggtgccttt	ggggaaaatt	aactttttct	900
tttgataagt	atgatattca	ataaaatttt	ctaaatagga	attgtgtacc	cctttgtcta	960
agtataacaa	ttcacacaaa	attatagtgc	tgaaaacaat	tttaataaag	gaaaaagtta	1020
attttcccca	aaggcacctt	tcatttcaca	tgatctatac	tctaattgtc	ttttgtatta	1080
aaaatatggt	taaatatgga	attagtaaaa	tgcagcgtcg	acgcggg		1127

<210> 5092
 <211> 1978
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (80)...(669)
 <223> similar to gi3878112 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5092

aggcgtgaat	tcctactcat	gtcctgcact	gaaatctagg	atcggaaga	atccgttttt	60
atttgaaaat	tccttttcag	aaaatcaggc	atttgcttct	cttaagacgg	ttttagagtc	120
tttgccagaa	gacgtacgg	ttaacattga	aataaaatgg	atctgccagc	ccagggatgg	180
aatgtgggat	ggtaacttat	caacatat	tgacatgaat	ctgttttttg	atataatttt	240
aaaaactgtt	ttagaaaatt	ctgggaagag	gagaatagtg	ttttcttcat	ttgatgcaga	300
tatttgcaca	atgggttcgg	aaaagcagaa	caaatatccg	atactatttt	taactcaagg	360
aaaatctgag	atttatcctg	aactcatgga	cctcagatct	cggacaaccc	ccattgcaat	420
gagctttgca	cagtttgaaa	atctactggg	gataaatgta	catactgaag	acttgctcag	480

aaacccatcc	tatattcaag	aggcaaaagc	taagggacta	gtcatattct	gctgggggtga	540
tgataccaat	gatcctgaaa	acagaaggaa	attgaaggaa	cttggaggtta	atgggtcta	600
ttatgatagg	atatatgatt	ggatgcctga	acaaccaa	atattccaag	tggagcaatt	660
ggaacgcctg	aagcaggaat	tgccagagct	taagagctgt	ttgtgtccca	ctgttagccg	720
ctttgttccc	tcatctttgt	gtggggagtc	tgatatccat	gtggatgcca	acggcattga	780
taacgtggag	aatgcttagt	ttttattgca	cagagggtcat	tttggggggcg	tgcaccgctg	840
ttctgggtat	tcattttttca	tcactgagca	ttgttgatct	atgccttttg	ggcttctcag	900
ttcaatgaag	caataatgaa	gtatttaact	ctttcactac	agttccttgca	agtatgctat	960
ttaaattact	tggccaggta	taattgccag	tcagtctctt	tatagtgaga	aaattttattg	1020
gttagtaata	taaatatattt	aaactaaata	tataaatcta	taatgttaaa	catatgtttca	1080
ttaaaagcat	agcactttga	aattaactat	ataaatagct	catattttaca	cttacagctt	1140
ttcatttgat	caggtctgaa	atccttagca	cttaaggaaa	atgactatgc	ataattatac	1200
ctgaccatga	aaaaaataag	tacctcaaat	gcatgcattt	gcactgggtga	ttccaactgc	1260
acaaatcttt	gtgccatctt	gtatataggt	atttttttaca	tgggttgaca	tgcacacaac	1320
accatttttca	ttcagtatga	accttgaggc	tgctgccatt	ttccactta	accaaaccag	1380
cctgaagggtg	aacctcgaaa	cttgtttcat	aaatctttca	aaagttgttt	tacatcaatg	1440
ttaaaatttc	aaaatgctgc	agggttaattt	aatgtataaa	atattagtaa	gaaaaagtat	1500
gtattgcata	cttagtagaa	tagatcacaa	catacaaatt	caattcagtg	catgcttttag	1560
gtgttaagca	tgagattgta	catgtttact	gttaggtcct	tgcatctgtg	gtgctagggtg	1620
agtatgagaa	gatgtcaagg	actggacgta	ttttgttgcc	taaaaaaaaa	aaggctgttt	1680
gtaggcgttt	taaatatgct	tattttgtgt	gtctctcact	acctattaca	cactgttgct	1740
ttgtgggttt	gttttgtatg	tgcgtgtgtt	atacagtagt	taaattttcca	tgcaaaaaaa	1800
taaatgtcct	gaattctcat	attagtattc	tttattgtat	atcatgcatg	taattttattt	1860
agaaatgtag	gtcttactaa	atgtatatgc	atgtatttca	gattatacta	ggatttcttg	1920
gattagaagc	agattgtgtt	aacgtgtaac	ttaaagaatg	aatgttaaat	aaaatgat	1978

<210> 5093

<211> 1594

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1048)

<223> similar to gi5101768 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5093

atgaccacag	gcaccgagat	cacagtcatg	ggcgagggtga	gaggcatcgg	tccctggatc	60
ggcggggagcg	aggccgcagt	cccagacagga	gaagacaaga	cagccggtac	agatctgatt	120
atgaccgagg	gagaacacca	tctcgccacc	gcagctacga	acggagcaga	gagcgagaa	180
gggagagaca	caggcatcga	gacaaccgaa	gatcaccatc	tctggaaagg	tcctacaaaa	240
aagagtataa	gagatctgga	agtcgctccc	caagtagggga	gaagaagaga	gctcgttggg	300
aggaagaaaa	agaccgttgg	agtgacaacc	agagttctgg	caaagacaag	aactatacct	360
caatcaagga	aaaagagccc	gaggagacca	tgcttgacaa	gaatgaggag	gaagaagaag	420
aacttcttaa	gcctgtgtgg	gttcgatgca	ctcattcaga	aaactactac	tccagtgacc	480
ccatggatca	ggtgggagat	tctacagtgg	ttggaacgag	taggcttcgt	gacttatatg	540
acaaatttga	ggaggagttg	gggagcaggc	aagaaaaggc	caaagctgct	cggcctccgt	600
gggaacctcc	aaagacgaag	ctcgatgaag	atttagagag	ttccagtga	tccgagtgtg	660
agtctgatga	ggacagcacc	tggtctagca	gctcagactc	tgaagttttt	gacgttattg	720

cagaaatcaa	acgcaaaaag	gccacccctg	accgacttca	tgatgaactt	tggtacaacg	780
atccaggcca	gatgaatgat	ggaccactct	gcaaatgcag	cgcaaaggca	agacgcacag	840
gaattaggca	cagcatttat	cctggagaag	aggccatcaa	gccctgtcgt	cctatgacca	900
acaatgctgg	cagacttttc	cactaccgga	tcacagtctc	cccgcctacg	aactttttta	960
ctgacaggcc	aactgtttata	gaatacgatg	atcacgagta	tatctttgaa	ggatttttcta	1020
tgtttgcaca	tgccccctg	accaatattc	cactgtgttaa	agtaattaga	ttcaacatag	1080
actacacgat	tattttcatt	gaagagatga	tgccggagaa	tttttgtgtg	aaagggcttg	1140
aactcttttc	actgttccta	ttcagagata	ttttggaatt	atatgactgg	aatcttaaag	1200
gtcctttgtt	tgaagacagc	cctccctgct	gcccaagatt	tattttcatg	ccacgttttg	1260
taagatttct	tccagatgga	ggaaagggaag	tgctgtccat	gcaccagatt	ctcctgtact	1320
tgtaaggtg	cagcaaagcc	ctggtgcctg	aggaggagat	tgccaatatg	cttcagtggg	1380
aggagctgga	gtggcagaaa	tatgcagaag	aatgcaaagg	catgattgtt	accaaccctg	1440
ggacgaaacc	aagctctgtc	cgtatcgatc	aactggatcg	tgaacagttc	aaccccgatg	1500
tgattacttt	tccgattatc	gtccactttg	ggatacgccc	tgcacagtac	caaaaactgt	1560
ggaagagtta	tgtgaaactt	cgccacctcc	tagc			1594

<210> 5094
 <211> 1077
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(784)
 <223> similar to gi3128218 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5094						
ccacagctat	ttacaggaat	tctttctccc	tggaaaggac	tactgctgta	cggccctcca	60
ggtacaggaa	agactttact	ggccaaagct	gtggccactg	aatgtaaaac	aaccttcttt	120
aacatttctg	catccaccat	tgtcagcaaa	tggagagggg	attcagaaaa	actcgttcgg	180
gtgttatttg	agcttgcccg	ctaccacgcc	ccatccacga	tcttcttgga	cgagctggag	240
tcggtgatga	gtcagagagg	cacagcttct	gggggagaac	atgaaggaag	cctgcggatg	300
aagacagagt	tactggtgca	gatggatggg	ctggcacgct	cagaagatct	cgtatttgtc	360
ttagcagctt	ctaacctgcc	gtgggagctg	gactgtgcca	tgttacgccg	cctggagaag	420
aggattctgg	togatctccc	cagccgggag	gccaggcagg	ccatgatcta	ccactggctg	480
cctcctgtga	gcaagagcag	ggccttggag	ctgcacacag	agctggagta	cagtgtgctg	540
agccaggaga	ctgagggcta	ctcaggctca	gatattaagc	tcgtctgcag	ggaagcagcc	600
atgcggcccg	tgaggaagat	ctttgatgca	cttgaaaatc	accagtcaga	aagcagcgac	660
ttaccagga	tccagttgga	tatagtaacc	actgccgact	ttctggatgt	gctaactcac	720
accaagccct	ccgcaaagaa	tctggctcag	agataactcag	actggcaaag	agagttcgag	780
tctgtctgaa	accacattta	ccctgacctg	gccacaaagg	caaccacaaa	gacctctag	840
tttattaatg	tccgtgggag	aacaaaatga	ttggaatgga	aaagagaaaa	ttatttttga	900
agactggatt	aacttgagcc	actgtattgt	tttgatagc	tgagatatat	ttattaactt	960
accattatcg	atgtcagcaa	aatattgaga	gtttcagtta	catacatata	tgtgctattg	1020
ggtcatacaa	tggagatttt	tctgacaatt	agactccata	aaattttaat	gaacaaa	1077

<210> 5095
 <211> 375
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(376)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (5)...(332)
 <223> similar to gi29648 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5095
 ttcgagcttt tacatcatag agtctggcga agtgagcatc ttgattagaa gcaggactaa 60
 atcaaacaag gatggtggga accaggaggt cgagattgcc cgctgccata aggggcagta 120
 ctttggagag ctagccctgg tcaccaacaa acccagagct gcctcagctt atgcagttgg 180
 agatgtcaaa tgcttagtta tggatgtaca agcattcgag aggcttctgg ggccctgnnn 240
 nnnnnnnnnn nnnnnnnnnn nnnnnnacta tgaggaacag ctggtgaaga tgtttggtc 300
 cagcgtggat ctgggcaacc tcgggcacat ggggaatcaa aggtggcatg ccaagttcaa 360
 ctcagggtctg aggag 375

<210> 5096
 <211> 1538
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(311)
 <223> similar to gi4572367 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5096
 tgcacctctg tgcggagacc aaggatgatg ccctagcatg gaagacagca ctgctggagg 60
 caaactccac cccggtgctg gtctacagcc cgtaccaaga ctactacgag gtggtgcccc 120
 ccaatgcaca cgaggccacg tatgtccgca gctactacgg accgccctac gcaggccctg 180
 gcgtgacgca cgtgatagtg cgggaggatc cctgctacag cgccggcgcc cctctggcca 240
 tgggcatgct tgcgggagcc gccactgggg cggcgtggg ctgctcatg tggctgccct 300
 gctggttctg agccctggga ctcgagcac tgaccctgc gcttggattg ctgactcct 360
 ctctctctg gacccatcc tctaccatcc aagccctgtc ccactttggc cctatcctct 420
 ccattagctc cttccgggtt tggaccattc cccccactcc ctacccttaa tccccacatg 480
 ggaagaagct atcatcacag gtacaaacat cgcttgaagt cttcacatct accactagac 540

acccccaaaa	tctgttatag	acattttatgg	atacattttcc	tctaaacaca	acaggggcaca	600
gcaaatacga	cttcattttgg	cttcgagttc	cccaggcgct	gtagacacaa	catgaatcgg	660
gctctctgct	ctctccttag	ggagctcgag	tcctggtggg	gagaacagga	gtaaacaagg	720
acttgacaaa	gctgaagagt	tatcagtcct	ttgacaagga	caggtggggc	agggagcaag	780
acaggtaggc	tgggaagaaca	gttattggca	agtatgcaga	gccgtgaacg	tcatggcatg	840
tccaaggaat	taaatgggag	ttcattttggg	ctgggggtgga	ggctgggatc	agaccgtggt	900
gggccttcaa	gctaaggagc	ttcctagggtg	aaaggggaga	tgtgagcctt	ctctggaggg	960
aagtttcatg	attgcatcta	taatgaatat	attgcctggt	ttgtgaatac	tgacacatgt	1020
ccatacctaa	aacactcctg	agttaagtcc	catccttccc	acaaacagct	tcctggctgg	1080
tacccatgat	aacaattgag	ctgaacctgg	ggacccctgg	ttgggggaaca	ggtgagttct	1140
atttgagact	tccagcccta	gaaagctgcc	tccgtccaga	aatgcctctc	acaccaggag	1200
ctcggccctc	tctttgtagc	tgtgactgtc	accctctcag	gctttgtctc	atccttcatt	1260
ctgaataaga	tggcagtgtt	ctcctctggg	gcctgatcca	cctctacacc	agcccaggaa	1320
gccccatctg	tgcctgccct	caggtgggtcc	accagtctcc	ccctttgggt	cccttccagt	1380
ctcttccccc	tttctatccc	aatcaccaat	agaaatgcta	acatccctgc	ctggtagcca	1440
gactagccca	ctaaagctcc	cctgtaaagt	ggggctccat	tagttctgct	gccgagacta	1500
ataaagattt	ggttggtctc	agccgtacaa	aaaaaaaa			1538

```

<210> 5097
<211> 426
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (19)...(340)
<223> similar to gi5771403 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5097						
tttcgtgttt	cagaggcccc	tcggtttgag	tccatcatgg	aggacgtgga	ggtgggggct	60
ggggaaactg	ctcgctttgc	ggtgggtggc	gagggaaaac	cactgccgga	catcatgtgg	120
tacaaggacg	aggtgctgct	gaccgagagc	agccatgtga	gcttcgtgta	cgaggagaat	180
gagtgctccc	tgggtggtgct	cagcacgggg	gcccaggatg	gaggcgtcta	cacctgcacc	240
gcccagaacc	tggcgggtga	ggtctcctgc	aaagcagagt	tggctgtgca	ttcagctcaa	300
acagctatgg	aggtcgaggg	ggtcggggag	gatgaggacc	atcgaggaag	gagactcagc	360
gacttttatg	acatccacca	ggagatcggc	aggggtgctt	tctcctactt	gcggcgcata	420
gtggag						426

```

<210> 5098
<211> 5205
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature

```

<222> (3)...(2964)

<223> similar to gi5689401 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5098

ggaacctcaa	cccgggtgtg	gaggagaatt	tccactttga	atgtcacaa	tcctccgacc	60
gcatcaagg	gcgcgtctg	gacgaggat	acgacatcaa	atcccgcgt	aaacagaggt	120
tcaagaggga	atctgacgat	ttcctggggc	agacgatcat	tgaggtgcg	acgtcagcg	180
gcgagatgga	cgtgtggtac	aacctggaca	agcgaactga	caaactctgc	gtgtcgggtg	240
ccatccggct	ccacatcagt	gtggagatca	aaggcgagga	gaaggtggcc	ccgtaccatg	300
tccagtacac	ctgtctgcat	gagaacctgt	tccacttcgt	gaccgacgtg	cagaacaatg	360
gggtcgtgaa	gatcccagat	gccaaggggt	acgatgcctg	gaaggtttac	tacgatgaga	420
cagcccagga	gattgtggac	gagtttgcca	tgcgctacgg	cgtcgagtcc	atctaccaag	480
ccatgaccca	ctttgcctgc	ctctcctcca	agtatatgtg	cccaggggtg	cctgccgtca	540
tgagcaccct	gctcgccaac	atcaatgcct	actacgcaca	caccaccgcc	tccaccaacg	600
tgtctgcctc	cgaccgcttc	gccgcctcca	actttgggaa	agagcgcttc	gtgaaactcc	660
tggaccagct	gcataactcc	ctgcggattg	acctctccat	gtaccggaat	aacttcccag	720
ccagcagccc	ggagagactc	caggacctca	aatccactgt	ggaccttctc	accagcatca	780
ccttctttcg	gatgaaggta	caagaactcc	agagcccgcc	ccgagccagc	caggtggtaa	840
aggactgtgt	gaaagcctgc	cttaattcta	cctacgagta	catcttcaat	aactgccatg	900
aactgtacag	ccgggagtag	cagacagacc	cggccaagaa	gggggaagtt	ccccagagg	960
aacaggggcc	cagcatcaag	aacctcgact	tctgggtccaa	gctgattacc	ctcatagtgt	1020
ccatcattga	ggaagacaag	aattcctaca	ctccctgcct	caaccagttt	ccccaggagc	1080
tgaatgtggg	taaaatcagc	gctgaagtga	tgtggaatct	gtttgcccga	gacatgaagt	1140
acgccatgga	ggagcacgac	aagcatcgtc	tatgcaagag	tgccgactac	atgaacctcc	1200
acttcaaggt	gaaatggctc	tacaatgagt	atgtgacgga	acttccctcc	ttcaaggacc	1260
gcgtgcctga	gtaccttgca	tggtttgaac	ccttcgtcat	ccagtggctg	gatgagaatg	1320
aggaggtgtc	ccgggatttc	ctgcacgggt	ccctggagcg	agacaagaag	gatgggttcc	1380
agcagacctc	agagcatgcc	ctattctcct	gctccgtggt	ggatgttttc	tcccaactca	1440
accagagctt	tgaatcatc	aagaaactcg	agtgtcccga	ccctcagatc	gtggggcact	1500
acatgaggcg	ctttgccaag	accatcagta	atgtgtcctc	ccagtatgca	gacatcatct	1560
ccaaggactt	tgctccttac	tgtccaagg	agaaggagaa	agtgcctgct	attctcatga	1620
ataaactca	acagctacga	gttcagctgg	agaagatgtt	cgaagccatg	ggaggaaagg	1680
agctggatgc	tgaagccagt	gacatcctga	aggagcttca	ggtgaaactc	aataacgtct	1740
tggatgagct	cagccgggtg	tttgctacca	gcttccagcc	gcacattgaa	gagtgtgtca	1800
aacagatggg	tgacatcctt	agccaggtta	agggcacagg	caatgtgcca	gccagtgcct	1860
gcagcagcgt	ggcccaggac	gcggacaatg	tgttgacgcc	catcatggac	ctgctggaca	1920
gcaacctgac	cctctttgcc	aaaatctgtg	agaagactgt	gctgaagcga	gtgctgaagg	1980
agctgtggaa	gctggttatg	aacaccatgg	agaaaaccat	cgctcctgcc	cccctcactg	2040
accagacgat	gatcgggaac	ctcttgagaa	aacatggcaa	gggattagaa	aagggcaggg	2100
tgaatttgcc	aagccactca	gacggaacct	agatgatctt	caatgcagcc	aaggagctgg	2160
gtcagctgtc	caaactcaag	gatcacatgg	tacgagaaga	agccaagagc	ttgaccccaa	2220
agcagtgcgc	ggttgttgag	ttggccctgg	acaccatcaa	gcaatatttc	cacgcgggtg	2280
gcgtgggcct	caagaagacc	ttccttgaga	agagcccggga	cctgcaatcc	ttgcgctatg	2340
cctgtgcact	ctacacgcag	gccaccgacc	tgctaataca	gacctttgta	cagacgcaat	2400
cggcccaggg	cttgggtgta	gaagaccctg	tgggtgaagt	ctctgtccat	gttgagctgt	2460
tcaactcatcc	aggaactggg	gaacacaagg	tcacagtga	agtgggtggc	gccaatgacc	2520
tcaagtggca	gacttctggc	atcttccggc	cgttcatcga	ggtcaacatc	attgggcccc	2580
agctcagcga	caagaaacgc	aagtttgcca	ccaaatccaa	gaacaatagc	tgggctccca	2640
agtacaatga	gagcttccag	ttcacgctga	gcgcgcagcg	gggtcccag	tgctatgagc	2700
tgcaggtgtg	cgtcaaggac	tactgcttcg	cgcgcgagga	ccgcacgggt	gggctggccg	2760
tgtcgcagct	gcgtgagctg	gccagcgcg	ggagcgccgc	ctgctggctg	ccgctcggcc	2820
gccgcaccca	catggacgac	acgggcctca	cgggtgctgc	aatcctctcg	cagcgcagca	2880
acgacgaggt	ggccaaggag	ttcgtgaagc	tcaagtcgga	cacgcgctcc	gccgaggagg	2940

```

gcggtgccgc gcctgcgcct tagcgcgggc ggtcggccga gcggcactgc gcctgcgcgg 3000
agggcgctgg gcggggaggg acggggcttg cgcccttggtg ggacctcccc aggggcgggg 3060
ctcggggggc tccacgccaa gggtagggctg cgccctacgcc cttgactcag ctttcccttt 3120
tggggaatta ggaatggagg atgccccgcc ctctcgggag gccacgcccc agggcgcgac 3180
gaaggaagga gccacatccc caacttgagg ccacgcccc agcacctagg gggcattttg 3240
agccgggatg ggggaaacct cgtccctatg gaggaggcca catcccgggg ctctggtacc 3300
gggaggcacc acctcatgtc ccctggaaaa gccataagat gggacccaga cccctgggac 3360
cccagaccaa ttgccaagta tggaaatctc agctccctcg agggggggcc ctgggcaagg 3420
ggtagggctc tctggagcgc ccctctagggt ggccctgggga ctggagggac caggatgctg 3480
gttgagggtt cccggaatac cggagtccct ttagatattt gtgcaaaaaa taaatggggg 3540
gaggggggag gatgggattt caaaagcaca tgcgcccttg ggcgccccaa ccctgggggc 3600
cgaggggacg gctctgggtt cccacgctgc ccctacttcc ctttgggagt ttgcctctcc 3660
ctctccccca acaaacccag tctcatatc atagagttca acacacccat ttgacagatg 3720
gcaaaactga ggcttaaaga gctgcttgag acttgccaa ggttccagggt gccataacct 3780
ctgtgcccct cccttaggcc tgtgtgcccc atggaagggt gggctgagat cgggatgacc 3840
tgacacagct ccctattgct gctaattccc cctcgccctc ctccaagggg tgggaattcc 3900
aggccaagac ccctacttgc ctttcccttc tccggtgcc aagcaggacc tttgccctca 3960
gccctttctc ctgggatctc catgggggat gccatgagggt cctcccacca caaaagagaa 4020
tttgggatcc cctggtccca ggtttctcca tcccttcttc cttttccaga attttccaaa 4080
taggaaagaa cagaaggaga ccagaaactc taggggggag aaagagaatg agagaaagag 4140
aatgagagag agagaaacac aaacacagtg acacagtgag agcttagtct ccaagagcct 4200
attcattgat tcaaacaccc aagccacagg atacctcaga tggccctctt gccagctgga 4260
agctctttct ccaatgagca aagttacagt gacctggctg gagttacctg gtgcacatag 4320
gaccttaggg gaaagttcag cgtggactac acttgctctg ggatctgctt ttccacatgt 4380
gtgtatggca cgccctttttc tgctggattg ggaaggacaa gattttgctg tgctagggag 4440
aaatgaaaac ggggtgagct gagtagctgg gtttctggag gatagaacat cagatgggga 4500
ggctttccga ggtgaagaat gagagggaac cacttactag agagaaaaga gctccaggcc 4560
tggggaacag cacgtgcgaa ggccaggaga gaagaactgt tgaaacaacg agaagggtgg 4620
cacggctgga gctgagccag caagggggat cgtgaggagc cttgggggtt gggagatctg 4680
cagaagcatc agaccaggca gggcctcgta cgcagtcctg aggagtttta cttttattct 4740
aagacagttg gggagctcca ggagctgttt taagttgggg agagactgga ttccagcctg 4800
caaaagctgt tttgtgaaga ctaaaaccag tgaggagagg tggagggtgct ttggggacac 4860
tgaaatggat tcttggaag attctgaagg ctgtgttgaa aagacaccta tagctgtggg 4920
gacatgacta taatcccgac atttggggag accgaggctg gcagatcact taaggtcagg 4980
agtttgagac cagcctggcc aacatggcga aaccccatct ctgctaaaaa taaaaaatt 5040
agctgggtgc agtgggtgcat gcctgtagtc ccagctactc aggagactga ggcgggagaa 5100
ttgtttgaac cctggaggca gaggtttagt tgagtcgtga tcacacaact gcactccagc 5160
ctgggcaaca gaacaatact ccattccctc ccctctaccc cacca 5205

```

<210> 5099

<211> 2494

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(813)

<223> similar to gi5912067 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5099
gcctgagatc tccaggaggc aggccatcgc gctcctcaag gaccaggagc cgggggcctt 60
catcatccgc gacagtcact ccttccgagg cgcgtacggg ctggccatga aggtgtcttc 120
gccacctcca accatcatgc agcagaataa aaaaggagac atgacccatg agctggtcag 180
gcatTTTTctg atagagactg gccccagagg agtcaagctc aagggtctgcc ccaatgagcc 240
aaacttcgga tcgctgtctg ccctgggtcta ccagcactcc atcatcccat tggccctgcc 300
ttgcaagctg gtcattccaa accgagagccc cacagatgaa tcgaaagata gctccggccc 360
tgccaactca actgcagacc tgctgaaaca aggggcagcc tgcaatgtgc tcttcgtcaa 420
ctctgtggac atggagtcac tcactggggc acaggccatc tctaaagcca catctgagac 480
gttggctgca gacccacgc cagctgccac catcgttcac ttcaaagtct ctgcccaggg 540
aatcactctg actgacaacc agagaaagct ctttttcaga cgccactacc ctctcaacac 600
tgtcaccttc tgtgacctgg atccacagga aagaaagtgg atgaaaacag aggggtggtgc 660
ccctgctaag ctcttcggct tcgtggcccc gaagcagggc agcaccacgg acaacgcctg 720
ccacctcttt gctgagcttg accccaacca gccggcctct gccatcgtca acttcgtctc 780
caaggatcatg ctgaatgccg gccaaaagag atgaaccctg ccccttgccc agggccagtgc 840
ccatgggggaa ggggcttgtg gggagggggac ccatgaatcc tgaccactct tgaaccacaga 900
aggaggactt tgggccaatt tcggaggaga gaagaaagtgc caacgtgggg agagggaagt 960
gaattgcaga ggggaggggg aaaagagaga gagagagaga gagagagaga gagagaaaga 1020
tgggggagaa gaacttgat tcccctgggt agatggaaac tgcaaaaacc caaagcctcc 1080
aaaactaacc aggtccacct aacaccccct ccctccccta agaagatgga tgcctcaaaa 1140
agagaaggaa caaacctcct tgggaatcca catTTTTtg ggaatggaa aagctctgtc 1200
tccctaactc aactgctttg caaggggaaa tcaagctggg agaatctttt tctggccacc 1260
tgtagggtag gttgtcaaac caaacagagc caccgtggga catcaagtgg aagaacttgt 1320
ttgcttgaaa gtatctcaga cccaaggcac ctccaggtctc tttgctgtgc ctccactata 1380
ttgtcgtgtg ggtgtgtgtc tgcaccacaca tctcaccaca ttgatctaga tctgccttta 1440
tccactcgaa ttataaacag ctcggttgtt ccttgtccca tgtgtttgta gacacacatg 1500
catactgtcc aaagattagg gttggtgggt gcagtgcagc aggggagggg caaacaacca 1560
agctatgggt gacagaggct ctctcctggt gcctgcacct gcaacttagt gaccctgggt 1620
gccgccagac ccttctcttc taaaaagacc ccagcaggag tgggaggggc tgcaatggca 1680
tcgccctgtc ctgccttggc cagaagcctg gagctttggt ttgaggaggt agagatatgt 1740
gtatccatag gaagagatct gtcagaacag gcagctgttg agctcggggg gtcttcccca 1800
aggcatgtgg ctccagagca agaaaggcaa gttgctcctg ctggggccct ggactctgcc 1860
ttagctccca cctctcagcc ttgttattgg gtttcatgcc cctggaccag ccttatctca 1920
gacctgttta cctgcatgat gcctTTTTtg gggctgggga ttgagtcttg ctgctctgcc 1980
cagccctgtt ctattctgca gggctccctgt gttggaattc tccctgggga acctactttc 2040
tgctcagtga ggctccggcc agaaacctgg agtccttacc ctcccctctg taagtgtttt 2100
agggctctggc ttttgcaggc accctctgac ctccagcagag ctccctgggc tgctgcctgc 2160
acaccacatc gcctacctac aatgccaaag cctcactgtc accctttctg ccttggtttc 2220
cctagctgag ccacgtgcc catgcagcag agggcagaag gcttgcactt gggccaaagg 2280
gcctaagggt cactggacag ttgggaaaac acctgaccac catttaagga ctctaagcca 2340
gaatggaaaa ttaccagga ctccattctt aagcctatgc gagtccccta gagagaggca 2400
ttgtactgat atataaatat tatataatat atacatgaga catactgaca gaatctgtaa 2460
gctaataaaa tgtaagaaaa ggttaaaaaa aaaa 2494

```

<210> 5100

<211> 683

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2)...(529)

<223> similar to gi2232013 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5100
gtatgggggtc cacacaggaa agaaacccaaa ctgttttggg gaatatggaa aaggcttcat 60
tccgaggctg gatattgtgta agcatgggac gatccacaca ggagagaaac catataattg 120
taaagaatgt gggaagagct tcagacgggtc ctccatatctt ttgatccatc agcgagtcca 180
cactggagaa aagccataca aatgtgacaa gtgtgggaag agctacatta ctaagtcagg 240
tcttgacttg caccacagag cccacacagg agagagacct tataactgtg atgactgtgg 300
gaagagcttt agacaggcct caagtatttt gaatcataag agactccatt gccgaaaaaa 360
accattcaaa tgtgaggatt gtggaaagaa gcttgtatac cggtcatacc gtaaagacca 420
acaaaaaaac cacagtggag aaaatccatc caaatgtgaa gactgtggga agcgctacaa 480
gaggcgcttg aatcttgata taattttatc attattttta aatgacacgt aagtgttgta 540
catatttatg ggggtacagt tgatatattaa atatatgtat atgatgtata atgatcaaat 600
cagtgtaat agcacattta tcacctcaat tatctctttt ttgtgttgag aaaattaaaa 660
attcattgtt ccaaaaaaaa aaa 683

<210> 5101
<211> 393
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (52)...(139)
<223> similar to gi603672 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5101
aagcattgtg gaattgtggg tggttaagttt tgtttgtttg ttttttaata ggcttattat 60
gcccgtgatg ctctggctaa aaacctctac agcaggttgt tttcatgggt ggtaaatacga 120
atcaatgaaa gcattaaggt actgaatttc tatgagcaaa atcagttgta ataaatggta 180
ttcacagtat aaacattaag ttgaagaaag tttaaattta taatcaaata attgattgcc 240
acttacaaag attattcctt aaaaagagtg taccatgtat aagattgaaa tttgtcaggg 300
attttgttta ttttgttttg ccatgtgtgt tgcttctgac tgggtgaatag tctgatgggtc 360
tttgtggagt tactctggga gtcggcgtcc cag 393

<210> 5102
<211> 1838
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature

<222> (2)...(208)
 <223> similar to gil770576 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5102

tcaggtttat	gatggggtttt	cattcattgg	caacactgga	ccttacgagg	tttctaagaa	60
gctgtatacc	ttgaaacaaa	gtttggccaa	agtggagaat	gcttgttatg	ccttgaaaagt	120
cagagggtca	gaaattccaa	aacatatgtt	ggcagatgtg	ttttcagtta	aaacagaaat	180
gatagatcaa	gaagagggca	tttcttagaa	tctaacgtta	ctcagttact	aattcctttg	240
agaactccta	agagaccaat	ttgtaagact	tatttagtat	ttcatttaac	tttattgtgg	300
ctttttacata	gaaacatat	cagttgtact	tgttttaaat	tgtatacaag	ctgtacataa	360
aattagccaa	atgaatcatt	tcttatatct	tattcatgaa	agtttgcata	cagatgtttg	420
catatatgcc	tttttgaatt	tttgctgggt	aacctttatc	atttatcttt	gtaatgtgaa	480
catgcttcag	agtgtacctt	ttgccataac	ctattttaat	ttactttttc	tgaagtttgg	540
agtgataatt	tttagtgga	gcaatttgta	atttaagttg	gtagttatat	tatatataga	600
aaagattttt	tagttaaact	tctggacatg	agcgtcctgt	ttaaatttct	tgtaaatatc	660
gtgccaaagg	tcaaaaatag	gcttattcca	tggaaacaaga	attaaaaatg	aataagctat	720
caatatataa	tttaagtaca	agtttaggct	gggcgtgggtg	gctcacgcct	gtaatcccag	780
cactttggga	ggccgaggta	ggcagatcac	gagggtcaaga	gatcaagacc	agcctgacca	840
acgtggcgaa	acctcgctct	tactagaaat	acaaaaatta	gctggatatg	gtgggtatgtg	900
cctgtaatcc	cagctacttg	ggaggctgag	gcaggagact	cgcttgaacc	tgggaggcag	960
aggttgcagt	gagccgagat	tgccgcaactg	cactccagcc	tgggtaacag	agcaagactc	1020
catctcaaaa	aaaagaaaaga	aagaaaaaaa	gaaagtacaa	gtttataaag	tattatagtg	1080
aaaaattcgc	attctggctg	attttaagcc	atttaaaatt	tatataaaac	aaccttccat	1140
aaaaatttga	caggtgccca	gatgttgctt	tctccattta	ttttttgttt	ttttttaatc	1200
acagtaggtc	tgatagagaa	ttggagctaa	attataatat	ttttgttggt	aaagttgagt	1260
tatatacttg	tacatacaat	ggaaatgctt	ttagtagtga	ttatttagca	atttttgttt	1320
ttgttatatt	aggcatgttt	ggaggctttc	ctattctagc	atttaaattt	aaattttatt	1380
aaaattaaat	aatttaaattc	tagcatttaa	atttaaataa	tttaagtcta	gcattttact	1440
ttaaataatt	ataatgaagt	tttgaaatac	taagttaatc	cagaccttta	gttgtcccat	1500
ggtgttaata	aagttgccaa	agaagatgta	ttatgaacaa	ttcagcaata	agacaattgt	1560
caacacagtt	gagaataaca	atggtaatcg	ttagtaatat	ttagaattgg	aatttgccta	1620
ctgaaatagt	tatagatgat	tacttgtgat	gtgaaactga	attgagcatg	acaaccagac	1680
atttccagtt	ggttttgtaa	gttttgagaa	tctagatact	gggtttttatt	ttttgaaaga	1740
ttagctctgt	ttgtaagggc	tgattccttg	aaaatgtaat	tttccagaaa	aacacctaaa	1800
gaaaataaaa	catggacatg	cctagtaaaa	aaaaaaaa			1838

<210> 5103
 <211> 1646
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (40)...(291)
 <223> similar to gi606976 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0948373E.012100

<400> 5103

taccggggccg	gaatctccccg	cgtccgcccc	cgcgtccgct	tcattctatca	cctgcctcag	60
gagtttggtg	atgcggaact	catacagaca	ttcctgccct	ttggagccgt	tgtctctgct	120
aaagtctttg	tggatcgagc	caccaaccag	agcaagtgtt	ttgggtttgt	tagttttgac	180
aatccaacta	gtgcccagac	tgctattcag	gcgatgaatg	gctttcaaat	tggcatgaag	240
aggctcaagg	tccagctaaa	gcggcccaag	gatgcccaacc	ggccttactg	acctgctttc	300
actgaccagc	cacagaaaga	aacagaagag	tgagaagaaa	ggagaggaaa	agcacagaaa	360
cgcttgagca	gccctttccc	gaaggagcag	ctgcggacgg	aggtggatcg	gacccaaggc	420
tggtgcctgg	ggctaaggcc	actctaagga	ttgtttttat	caagtgggtt	gttctgtgcc	480
tgacgcatag	agcgcaggct	ggcagagcaa	atagggctgg	tgaggagtga	ctgtccaggg	540
gaaccagcag	agggcggttg	gggtgccaa	ggcttctccg	caagggaagc	ccagatttac	600
ttctttcaaa	atcataatcat	tccttagagt	ttagggacca	aaggactatt	gcttttttaa	660
gaatatatat	atctatataa	attaaaacaa	agaaacaaac	aaacaaaaaa	caagacaaac	720
aactacaaaa	aaagacagta	tagagtctca	taaaagctgc	ctttaaatat	ccctaggaga	780
caggggtgaag	gagacccttg	acagccccag	cctaggcaga	tgggggctgt	ggaaagattg	840
ttctgtgtct	cattccctct	taagccactc	ccccaccctg	cccttttaaa	aataattaag	900
gatttgaggt	ctaggctcac	atgcaggtaa	ttagaacggt	atggaagcag	tgaaccacac	960
atccacaatc	cccaaactca	gagtgcaccc	cagaagaggc	cccaggcaga	gctcagggtg	1020
gccctggcct	ttgccatccc	gggaggcccc	ctagccagca	agagtgggat	tgcccttcct	1080
gtggaaccac	tgcttcccc	ggcggaaga	aagaggaggt	tctggccacc	tgagcctttc	1140
ccttgccaat	ccaggkagac	agaggccctg	cctttggctg	agctgagaca	cctcctgttt	1200
cccttccccct	tgaaccagtc	ccagtgtccc	cttgctccag	gctaccttct	gtctcttagt	1260
ctaagtttgc	ccacctgtaa	agtagattca	ggatatctgt	agagggctgt	gacaacagac	1320
ttggaagggt	tgctactgta	tatactgcc	ttgagaaggg	gaaatttttc	aatatgtaga	1380
agcttcagaa	ttagagggtc	ctctttaccc	cagacctggg	agggaagtag	atgttttgcc	1440
aaaataacttc	ttcattccct	taaaaaactac	atctttccta	tgcaagagtg	tctcacatgt	1500
gcttaaccga	ggtgcttcta	gttggtgagc	agtgttgagc	ttaaaagtgg	ggtgtgctct	1560
gtctgtctgt	ctttgtctgt	ctgttgata	cagtgggtgc	catataaagc	tgatcaatgg	1620
tggtgcttcc	tgccctggctt	ctgtgg				1646

<210> 5104

<211> 1746

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (699)...(1629)

<223> similar to gi3851703 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5104

gcggccgcct	actggagaca	ctccctcccc	cctcccggtt	ctcctggcgg	cggcggagtg	60
aggctgacag	cgtgggaacc	tgtggagacc	cctccgccct	ccccgcgggtg	gcagcgccg	120
atccccggct	ccggcgcgag	acgacggccg	cgatgcgctc	ggcctgaggt	taccggggcc	180
cgcccccttc	ctcgcttccc	tcgactattc	cactgcgtct	ccgcgccccg	gcgtcatcct	240
gcgagtcctt	ctgacgggag	ggaagatggc	tgacagggagc	tggcaggacg	agctggccca	300
gcaggccgat	ggagggctcg	gccggacatg	cgggaaatgc	tctcggtcgg	cctaggcttt	360
ctgcgcaccg	agctggggcc	tcgaccttgg	ggctggagcc	gaaacggtac	cccggctggg	420

tgatcctggt	gggcactggc	gcgctcgggc	tgctgctgct	gtttctgctg	ggctacggct	480
gggccgcggc	ttgcgccggc	gcccgcacaa	agcggaggag	cccgcgccgc	aagcgggagg	540
aggcggcggc	cgtgccggcc	gcggccccc	acgacctggc	cttgctgaag	aatctccgga	600
gcgagggaaca	gaagaagaag	aaccggaaga	aactgtccga	gaagcccaaa	ccaaatgggc	660
ggactggtga	agtggctgag	ggtgaagctg	ttcgaacacc	tcaaagtgtg	acagcaaagc	720
agccaccaga	gattgacaag	aaaaatgaaa	agtcaaagaa	aaataagaag	aaatcaaagt	780
cagatgctaa	agcagtgcaa	aacagttcac	gccatgatgg	aaaggaagtt	gatgaaggag	840
cctgggaaac	taaaattagt	cacagagaga	aacgacagca	gcgtaaactg	gataagggtg	900
tgactgattc	tggttcattg	gattcaacta	tccctgggat	agaaaatacc	atcacagtta	960
ccaccgagca	acttacaacc	gcatcatttc	ctggttggtt	caagaagaat	aaagggtgatt	1020
ctcatctaaa	tgttcaagtt	agcaacttta	aatctggaaa	aggagattct	acacttcagg	1080
tttcttcagg	attgaatgaa	aacctcactg	tcaatggagg	aggctggaat	gaaaagtctg	1140
taaaactctc	ctcacagatc	agtgcagggt	aggagaagtg	gaactccggt	tcacctgctt	1200
ctgcaggaaa	gaggaaaact	gagccatctg	cctggagtca	agacactgga	gatgctaata	1260
caaattggaaa	agactgggga	aggagttgga	gtgaccgttc	aataattttct	ggcattgggt	1320
ctactgctga	gccagtttct	cagtctacca	cttctgatta	tcagtgggat	gttagccgta	1380
atcaacccta	tatcgatgat	gaatgggtct	ggttaaatgg	tctgtcttct	gctgatccca	1440
actctgattg	gaatgcacca	gcagaagagt	ggggcaattg	ggtagacgaa	gaaagagctt	1500
cacttctaaa	gtcccaggaa	ccaattcctg	atgatcaaaa	ggtctcagat	gatgataaag	1560
aaaagggaga	gggagctctt	ccaactggga	aatccaaaaa	gaaaaaaaaa	gaaaaagaag	1620
aagcagggtg	aagataactc	tactgcacag	gacacagaag	aattagaaaa	agagattaga	1680
gaagaccttc	cagtgaatac	ctctaaaacc	cgtccaaaac	aggaaaaaag	tttttccttg	1740
aagacc						1746

<210> 5105

<211> 3172

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(2191)

<223> similar to gi3319990 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5105

gttatgaagc	accacaaact	gttgcggttg	aacctccacc	tatcaagtca	gcagtacaga	60
cgatgtgtcc	catacctgcc	cattcttttg	ctgctttttg	attattttct	cgtcttccgg	120
gctatgcgga	agtgtacttg	aaagagagaa	aacatgccca	gtgccttctt	cgattggtat	180
tgggagtgac	agatgatgga	gaagggaagc	atattcttca	atctccatca	gccaatgtgc	240
ttccaacctt	tcctttccac	gtccttcgta	gcttggtttg	cactacacct	ttgacaactg	300
atgatggtgt	acttctaagg	cggatggcat	tggaaattgg	agccttacac	ctcattcttg	360
tctgtctctc	tgcttttgag	caccattccc	cacgagttcc	aaactctagc	gtgaatcaaa	420
ctgagccaca	ggtgtcaagc	tctcataacc	ctacatcaac	agaagaacaa	cagttatatt	480
gggccaaagg	gactggcttt	ggaacaggct	ctacagcttc	tgggtgggat	gtggaacaag	540
ccttaactaa	gcaaaggctg	gaagaggaac	atgttacctg	ccttctgcag	gttcttgcca	600
gttacataaa	tcccgctcag	agtgcggtaa	atggagaagc	tcagtcattct	catgagacta	660
gagggcagaa	cagtaatgcc	cttccttctg	tacttctcga	gcttctcagt	cagtcctgcc	720
tcatcccagc	catgtcatct	tatctacgaa	atgattcagt	tctggacatg	gcaagacatg	780
tgccactcta	tcgggcactg	ctggaattgc	ttcggggccat	tgcttcttgt	gctgccatgg	840

tgcccttatt	gttgccctt	tctacagaga	acggtgaaga	ggaagaagaa	cagtcagaat	900
gtcaaacttc	tggttggtaca	ttgttagcca	aaatgaagac	ctgtgttgat	acctatacca	960
accgtttaag	atctaaaagg	gaaaatgtta	aaacaggagt	aaaaccagat	gcgtctgatc	1020
aagaaccaga	aggacttact	cttttggtac	cagacatcca	aaagactgct	gagatagttt	1080
atgcagccac	caccagtttg	cggcaagcaa	atcaggaaaa	aaaactgggt	gaatactcca	1140
agaaggcggc	tatgaaaccc	aaacctttgt	cagtattaaa	gtcacttgaa	gaaaaatatg	1200
tggtgtttat	gaagaaatta	cagtttgata	cgtttgaaat	ggtttctgaa	gatgaagatg	1260
ggaaattggg	atttaaagta	aattaccact	acatgtctca	ggtgaaaaat	gctaattgatg	1320
cgaacagtgc	tgccagagct	cgccgccttg	cccaggaagc	tgtgacgctt	tcaacctcac	1380
tgctctgtc	ttcatcctct	agtgtgtttg	tacgctgtga	tgaggagcga	cttgatatca	1440
tgaaggttct	aataactggg	ccagcggaca	ccccttatgc	aaatggctgc	tttgagtttg	1500
atgtgtattt	tcctcaagat	tatcccagtt	cacccctct	tgtgaatcta	gagacaactg	1560
gtggtcatag	cgtgcgattc	aatccaaacc	tttataatga	tggaaggtt	tgtttaagca	1620
tcttaaacac	gtggcatgga	agaccagaag	agaagtggaa	tcctcagacc	tcaagctttt	1680
tgcaagtgtt	ggtgtctgtc	cagtccctta	tattagtagc	tgagccttat	tttaatgaac	1740
cgggatatga	acggtctaga	ggcactccca	gtggcacaca	gagttctcga	gaatatgatg	1800
gaaacattcg	acaagcaaca	gttaagtggg	caatgctaga	acaaatcaga	aacccttcac	1860
catgttttaa	agaggttaata	cacaaacatt	tttacttgaa	aagagttgag	ataatggccc	1920
aatgtgagga	gtggattgcg	gatatccagc	agtacagcag	tgataagcgg	gtaggcagga	1980
ctatgtctca	ccatgcagca	gctctcaagc	gtcacactgc	tcagctccgc	gaagagttgc	2040
tgaaacttcc	ctgccctgaa	ggcttggtac	ctgacactga	cgatgcccc	gaggtgtgca	2100
gagccacaac	aggtgctgag	gagactctaa	tgcatgatca	ggttaaacc	agcagcagca	2160
aagaactccc	cagtgacttc	cagttatgag	ctgcattgat	gtggacttca	tagacacaaa	2220
ggcttcgaag	cacaagccaa	atatgtcaat	atgtgtatgt	aagaaactaa	ttatgtaata	2280
ggtaatgaaa	ctgaaactat	actatgccct	taaggagatc	cagtttaatt	caaggtgatc	2340
ttttattttac	ctgtacagga	gtgtaaactt	ttttgtgctt	ttatttttca	attgtgagaa	2400
ccactgattg	gtatgttcaa	caaatttgtg	tatacaaga	aatggataaa	tcactgctat	2460
ataagggaaa	ctaccttagg	aaagaatgtt	tactgaatgt	ttatttttatt	ttattttttt	2520
tttactatag	agtgaggggt	tgtaaacaaa	gaatatatat	tggtcattct	tacaactact	2580
atttaaagtc	agcaactttt	cactgaattt	gatagatttt	atgtttggcc	atatcttcat	2640
gctcacattt	gatttctgaa	gacctcctac	atacacttca	ataaaaagtt	aatggacata	2700
ctccctcttt	tttgattttac	tggtacattt	ttaaaataat	aaatctgcca	taaaatgcat	2760
tatatctgga	gacttgcaact	tgtatggatg	aatttattac	attcaacata	tttaatttta	2820
tgcttcttaa	ttctaagatg	cagaaaaaaa	taaatgaaca	tgatttttatt	ctatgcccc	2880
catttgggcc	tctgaatgta	tctgttattt	gaatttaagt	atttgaaaag	gaatgggtcaa	2940
tttgaaagtc	attctaaact	gatttttttt	ttcctaaagg	gctccttttt	tcctggacta	3000
tgtggtttta	tgactaaagt	cacatgtatg	tattaaacat	tgaggctctg	tagaggagag	3060
aggatgtacc	tctctggtgc	tgttacagta	cattctgtac	ctgccataca	ggctcatttt	3120
catgcaaatt	cttcctagag	caaataaat	aaagacttag	gtgaaaaaaa	aa	3172

<210> 5106

<211> 5618

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (5619)...(4060)

<223> similar to gi5689389 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400>	5106					
tttttttttt	ttcataaaga	aagaaacggc	aatgcaat	aaaaactggt	aggccgttta	60
aaagagccgg	tttgacctct	gacaaaccca	gccaagacaa	ggccccttgg	cccggctcgc	120
gagtctttgt	agagagcaga	gcttaccctg	acgacgatgg	cgttttgtgg	ttaaagtgac	180
ttgggcgcac	ccccaggaca	gggtctggtc	ccacacgttc	acaccagggg	ggcgggaggg	240
gggacatcaa	aaacagacca	catcctctgc	cagacgggct	ccagggagta	gcggtttgga	300
cgagggacat	ttacaaagca	cagagtgcac	aaataagttt	tggttaat	accaaattac	360
acagcagtc	ttcaagtttt	tcaagtttca	taaaaaggag	gaggggagga	gaaaggggga	420
aaaaaacaaa	aacaaaaaca	aaccgacgaa	ccaaacaaaa	agaaaaagaa	aaaccaaaca	480
ctgaagaaaa	ataataaacc	agattaacaa	cacaactgta	tcgctccaaa	gacggacaga	540
gaagttgaca	ggttcacaca	cggtttgcgg	tatgtacatc	aatttacaga	ggttgcgacg	600
caggggagag	aggttcacac	tcgtgttttc	gctttgttag	aggcgctcgg	ccacacccag	660
cacccatgtg	tgcccagcgc	acacgtgcac	acgcacccca	cgcacggcca	cacgcgcacc	720
cacgctcgct	tgcacacacg	cccacacgca	cagacacgcc	tgcgggcagc	aggcgaggg	780
gagcgcgtat	caccagtccg	cgctcctcct	tatgtaataa	tcaggggcgg	taccatcaaa	840
gaggccgggg	tcgagggact	tccgctgctt	ccctctggcg	aagacgcggg	agatggagcc	900
gaatcccac	ttctctttct	tctttttccg	tttttggctc	tcaagatcct	ctagtgcactg	960
tacaataggg	ttgtgcaggt	tcttctgaac	tgggcccggg	ctgtcgcctt	gtagccagag	1020
gagaagagga	agatgaaaca	gcagagacag	gtgacacagg	agagcagagg	cggcccgtgc	1080
ggtgtggggc	cttcogtgga	aggatgccat	ctctcagggg	ccaccctgcc	tctgcagtgg	1140
ggagcccacc	ccccatctcc	tgaagcagat	accccagat	ggcttattga	tggggcctgg	1200
agtttcccta	gagttccctg	ggctcctctc	tgcccagctc	ggcctctcaa	ccccagcat	1260
cttctgacca	acaaattagc	cactccaggg	cgtctaagtt	cctgtcccag	tctgtcctct	1320
gagttagagc	tagagcttgg	ttagacttgg	tgctttccat	aaagaaatgt	acttttatag	1380
aaaaagcaca	aatagagaa	ttttgggaca	gaaacaaact	tgggagacca	cgtagcctct	1440
agcttccccc	acaaccgaca	caatgaatct	cttagtttgc	gcaggggcag	gcaggactcg	1500
ttagccctat	tcacagatat	caagagaggc	agcagacagt	ccactaccgt	ggagctaatt	1560
ggatgcagag	ctacagctcc	aattgggggc	tgtcagattc	ctcctggcac	agtgtcctt	1620
ccaggcagga	gctccagggt	aactgcatac	ttggtcctga	gctttgggct	gccccaggag	1680
gggtctgaac	tccctccctt	tttcttaggg	agcctcagac	gacaggctcc	taggatgggc	1740
aggtaggaca	tttccattgt	gttgccagcc	ctgccttacg	tgggtgtgga	gggaacctt	1800
aatagcctac	agggtgtaca	aagccttcac	tacatcccag	aatcagctctg	ccctgtctgg	1860
agcccacaga	tcctttggat	caaaacagtc	attactaggg	agactcctgg	tggttatttc	1920
tggaattgca	agcataatgc	caaggtccgt	caaccttctc	caacctctct	atgctgagtt	1980
cctacttttg	ctctaaatta	gtggccagag	tgtgagagga	tgaggcagtc	attagtccag	2040
gctgcactat	tcttgctggg	ggacgtcaga	tgcccaaggc	aaagggttac	ctgtagctat	2100
ttttgggctc	ttcctggctt	acctgcattg	acacctgttg	agatgggggg	ataaaaaggg	2160
ttgaggaagt	gaggggaatta	atgaatggta	gtttagtctt	tagtctcaag	gtttgcaaac	2220
agaatccatt	ctgaaggcag	ctaagatagt	tccactctgg	ataggaacat	ctttgcaaaa	2280
tctatgggta	aagagaatgg	ggcctgctca	ctgaaacgcc	tgtatgcaga	caactggctt	2340
atcaaagcac	ccatttcctg	gcagcaggaa	tgtgccaaag	ctatgggtgg	caaaagacta	2400
gggctgggtc	aatgcaatt	caagaggcct	ttggagaact	ccttctgcag	aatgggggtt	2460
ttccagcagc	atttctgctg	ccagagtccc	catgggccc	ccacgagaag	acaaaatatg	2520
gccgtggggg	gaaggatttc	tcaactggga	tgagaatggg	gcagggacac	tgctggctgt	2580
aggataaact	ccacagtggt	ccttcaggat	cagggaatgg	atgtcagaga	cccctccagt	2640
ggcccacctt	ccttgccctg	gttctgttag	tcaagataga	ccttgtcact	aggattctct	2700
tctggggaca	agagaagaac	atactgcttc	ctcaaagcac	cagtataaaa	cagagaatcc	2760
cgccaggtgc	agtggctcat	gtctataatc	ccagcacttt	gggagactga	ggtgggcaga	2820
tcgcctgagg	tcaggagttg	aagaccagcc	tggccaacat	ggtgaaatct	catctctact	2880
aaaaatacaa	aaattagccg	ggtgtgatgg	caggcatctg	taatgccagc	tgctcgggag	2940
gctgaggcag	gagaattgtt	tgagcctgga	agggtgttgg	tgacgtgagc	tgagactgcg	3000
tactgcact	ccatcctggg	tgacaagagt	gaaactccat	cacacacaca	tacaaataaa	3060
taaaataaaa	caataaaaaa	gagaatccca	ggcctgagca	gggccccagg	ctgcaaatga	3120
ccttcctact	ctgaggaggc	catctaaagt	ccccgggcca	gcaatctctg	ccgcccacct	3180
gagcagactg	aggcagcttc	tctgaagttt	actcttagct	atcttatagga	gcacttttca	3240
ttattgtgga	ttgaaaaaaa	tggttccata	attacgactc			3300

tttttacaca	ctgatttcca	agcaacactg	ttatgtacat	gcttattatt	cattctaata	3360
gcttttcaag	ttatttctct	gagtttctca	ggtagagaat	catgtcactg	gcaagtaatg	3420
gttttgtcca	atgtgttcac	ctcatttctt	ttttattatc	tatttcgctg	gttaataaag	3480
tgacattaac	tgagttttgg	aaaaagccgt	ctcgtgcatt	tgaggatcta	accctatgat	3540
gtctgtcttc	aggatatggc	agaggggagc	ctctgcatta	ccaactgtgt	gataaaacaa	3600
aaattcaagg	tggtcccccac	accagagccc	caatatattca	tgttagagcc	tcgacatggc	3660
ttccaactgt	cctcagaagc	tcaaccacc	ttcaattttac	tcccacactg	ttgcagagcc	3720
catctgtctg	ccccactagt	catcaagagc	taggcagcta	gggcctttgc	ctcctgggag	3780
ctggtgcccc	gtatgcaatc	aaaaagtgtt	tgatgaaata	aacaaaggaa	acaaacttag	3840
accatattca	caagcctctc	cagaggcaat	tcatgccaaag	actcctgggt	caggatagag	3900
agctggctct	aaagggaaat	gaggaggtgc	tggggaggcc	ctgagctctg	gaaggtaatg	3960
tgtgggagga	gaagcccacg	gtcccagaca	gggccactg	gggcagagtt	ccaggctgtg	4020
cctgcggccg	accagggccc	gcttctctctg	gatttctctc	accctcccgg	acacaaggag	4080
caaacgggcc	tcatttcttt	ttctccccac	atccatcgct	tcttgcaaaa	ggaaagaaca	4140
gaacagga	tgcatctgcc	agagtgtctc	ctgggtggac	gagaggaaac	agcgagtatg	4200
gcttcacccc	gccaccccgc	cccctgcagt	ttctgggcag	ggcccagggg	cccaggcccc	4260
ctctgtctg	gccttacggt	gcagagggag	tgtgtccggt	gtcgagggga	gttgatgtcg	4320
cctcgtgtgc	acgacgggtc	gccttcggcg	gcagatgcgt	cggagatgac	agagggctgc	4380
cgggagtggc	aggggctcac	cctgaccgct	tgcgggtccg	cagggtgagg	ggggtgtgag	4440
tggtagagag	tctgttgact	ctgccggatg	gctgcgggtca	gcgggaggtc	cgctgcacc	4500
accactcct	ggttgccatt	gagcaccgtc	tcgcccggca	tggcgaggga	atgccgcttg	4560
gggacgtcct	tggtcagcgt	agctaaggac	tgtttggcc	tggccagctc	ggcctccagc	4620
tccttcaccc	ggttgtcctt	gaggtccagc	tgggagcgca	gtgccgtggc	gtggtctgtg	4680
gcctccttgg	cttggcgccg	cagctcccac	ttctcacgct	ccagcaggtc	cttctccttg	4740
gccagcgctt	tgaccgcac	ctcgctctcc	ttgcggtgct	gctcatagtt	gcggatgaag	4800
tctcgagct	gctcctcgcg	gctctccagt	gtggcataca	gctgctgcat	ctggctcacc	4860
aggtctgtct	tctcgccctt	taagcgcttc	cgatcagctt	tcatggcctg	caaggcttct	4920
ttggctctgg	ctagctcctg	ctccttcttg	gccagctgga	ccctgagctc	ggtggccgag	4980
aggacctcag	aggacttgcc	gccctgcgac	tcctccagggt	ccttcgccaa	catctccttc	5040
atctgccgga	gaaggtgaac	ttcctcctgg	agccgcgaca	cttcttcccg	caggagcact	5100
tgcgctccaa	gctgggggtt	ctccatgttc	gtcgccgcgc	agtcccccgc	cgccgaggcg	5160
ctggccgcgg	ctcccgggcc	cgggcggggg	ccgccgcgcg	cgctcagttc	cgccagtctc	5220
cggttggtgg	ccgtgagttc	ggctcgcagg	ttggtcacct	cctggctggc	cgactggacc	5280
gccccatcga	tgcggagcgc	gagctgctta	ttgtcttcca	tcatgctcag	gatttttgcc	5340
tggggcgag	agaggtgaca	aagagctgca	tgatgcgcgg	ggggcgcgcg	gccgggcacc	5400
ccgggtctcta	cctgttgtgt	cctccgcggc	ccggcttcgc	ccgcgccccg	acccccaggc	5460
accgagcagc	ccggttcctc	ggcacagga	atgacagcgg	cgctccagc	cctagccgcg	5520
gcggtggcga	ggcggcgggg	ggaggaggcg	gaggagaaaa	aagaggagga	gaaggaggag	5580
gaggagcagc	gatcgccgag	accccggcgg	gcgggcgc			5618

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

$\langle 222 \rangle \quad (308)^{-} \dots (1609)$

<223> similar to gi3043632 in the genepept database release 114.

Run with FASTXY 3.3t00, default parameters

<400>	5107					
cccacgcgtc	cgataaaaaa	tgtttgtcat	ctactattca	agacaatcat	tatttttctg	60
gaaattgtat	ctgttttcaa	ggttatatgt	aaagtgttaa	gacaatatcc	tataaaatgc	120
attttttagga	agttttgcac	tactttcttc	ctaagtcttg	gtaaagttat	ataattagta	180
ccttgaaaaa	aataaagtga	aaagcctttt	ggggacttta	gacttttagtg	tttaaagtga	240
attatttttta	tttgtttttg	gtttattttt	tattttttatt	ttttttggcc	gtggttataa	300
tcttcagcat	ctgcaagaag	gacgaaaagc	tcaacaatat	cttgacatgt	gctggaaaca	360
gatggataat	agtaaaaaga	agtttgaaag	agaatgtaga	gaggcagaaa	aggcacaaca	420
gagttatgaa	agattggata	atgatactaa	tgcaaccaag	gcagatgttg	aaaaggccaa	480
acagcagttg	aatctgcgta	cgcatatggc	cgatgaaaat	aaaaatgaat	atgctgcaca	540
attacaaaac	tttaatggag	aacaacataa	acatttttat	gtagtgattc	ctcagattta	600
caagcaacta	caagaaatgg	acgaacgaag	gactattaaa	ctcagtgagt	gttacagagg	660
atttgctgac	tcagaacgca	aagttattcc	catcatttca	aaatgttttg	aaggaatgat	720
tcttgacgca	aatcagttg	atgaaagaag	agactctcaa	atggtggtag	actccttcaa	780
atctggtttt	gaacctccag	gagactttcc	atttgaagat	tacagtcaac	atatatatag	840
aaccatttct	gatgggacta	tcagtgcac	caaacaggag	agtgggaaga	tggatgccaa	900
aaccacagta	ggaaaggcca	agggcaaatt	gtggctcttt	ggaaagaagc	caaagggccc	960
agcactgaaa	gatttcagtc	atctgccacc	agaacagaga	cgtaaaaaac	tacagcagcg	1020
cattgatgaa	cttaacagag	aactacagaa	agaatcagac	caaaaagatg	cactcaacaa	1080
aatgaaagat	gtatatgaga	agaatccaca	aatgggggat	ccagggagtt	tgcagcctaa	1140
attagcagag	accatgaata	acattgaccg	cctacgaatg	gaaattccata	agaatgaggc	1200
ttggctctct	gaagtccaag	gcaaaacagg	tgggagagga	gacagaagac	atagcagtga	1260
cataaatcat	cttgtaacac	agggacgaga	aagtcctgag	ggaagttaca	ctgatgatgc	1320
aaaccaggaa	gtccgtgggc	caccccagca	gcatggtcac	cacaatgagt	ttgatgatga	1380
atttgaggat	gatgatccct	tgcttgctat	tggacactgc	aaagctatct	acccttttga	1440
tggacataat	gaaggctact	tagcaatgaa	agaaggtgaa	gttctctaca	ttatagagga	1500
ggacaaaggt	gacggatgga	caagagctcg	gagacagaac	ggtgaagaag	gctacgttcc	1560
cacgtcatat	atagatgtaa	ctctagagaa	aaacagtaaa	ggttcctgaa	gaggggttct	1620
gaggaaatgg	gcaagatggt	gaaggagggt	acatgcagct	gcttttgggg	gaggggtatta	1680
gagttgtcag	gctcaaagag	agtgagagaa	gcaagttgca	tgagtgcacg	cagacatgat	1740
ttttttttta	ctaacttcat	tagcatttcc	atacattggt	tttaaaaaatc	ataataccaa	1800
cccttaagtt	cctagttcac	agttattccc	acaaaagaaa	aagccaacaa	tagtgtacca	1860
tttttctatt	ttattttatt	gctgtcta	caataaagaa	tgcagagctg	tcaaaaaatg	1920
tgtcttacat	ttagctgtcc	caacagggat	tgtcttccct	cccagctctg	gttttaattg	1980
gcttttagac	ccactatctg	tcagatcctt	gccatctgtc	agtgtctgcc	tgcgccacct	2040
ccgtgcttgc	ctaacaatct	gttgcagtgc	tagcgtgatt	gagctagatt	tttcaggcat	2100
gtcttttagat	tcccttggtc	ttgtcaaagc	cttgttttgt	tttacatttg	tagtgcaaat	2160
cactttgtca	aacatctcca	gcactaatgt	ttccattctta	gtattttgtgc	acactgctat	2220
aacttcccca	ctgcaaacat	tccagttttg	gcattacgaa	gaagtagctg	tgaacctgaa	2280
gtattttatga	t					2291

```
<210> 5108
<211> 613
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (616)...(321)
<223> similar to gi4008577 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 5108
ttttttttaa aaaataaata catgttttatt taaaaaagaa aaagaaaaac cctaccaaga      60
acaaaccctg gtcaatgaga aatcaatgct tcctctgaaa gccagcaaca gccggtgctg      120
tcaacacccc aagaagtaca ggtacctcag tccaaacatc aggtctcgaa tattcttctg      180
tggtcaaaac tggcattcaa caggttgctg gtctgtgtgg gctccaatta ttagcacaga      240
caactgttac cactggatat ctgctgcct atgcccacta ccacagccca gccaccccca      300
cagcctcagg aaagttacat atcctcaaca ctccatttgt aggcaagttc ctccactgcc      360
ttcttgctgg caagcctggc aaagcgcttc tgttcaaadc cattggatct gtccactccg      420
tcccagcgat atccaggcca gatattaaat ctggtgggag gaggtgctgg accactgtag      480
cgagggtctca cttttttatt ctgttctctc ttggccttat tcttcttgat gaagttggcc      540
ataggggtccc cctctctttc ctgttctctt agcatcctat ccagatcttc gtcatacaata      600
tagcggggcca gag                                           613

```

```

<210> 5109
<211> 2423
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2424)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2173)...(1415)
<223> similar to gi4235226 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5109
tttttttttt ttgagagaat tcataaatat tagttaagga tctaaaacaa acttctcaaa      60
taactgaaag ctgaaagcct ctggaagcca actgtccctg cacaaagggt tacaattgag      120
aaatatctcc tgttcctatt ttgtcaagtt tctttaatgg ctgaacagaa agaagcttca      180
agtaatggag aaggcattgt ctgagtgcag ctgctttcct gggacgcctg tgccgttcct      240
gtcttccaaa tcctatgctt gggaggcccc tgggaggtac atttttgccg gggaaaccaac      300
ctgaccttaa aaagatgagt gtgacacagc cggctgggca ggaggatgga ggttgccaca      360
gggacaccac ctggcccacg ccctgggnca gcctgggcat gttttgccga gttcggggga      420
ggggcacccc acccagaggg cacagggcaa accctaagca cgggggtatt gcccttgaag      480
ccccaggggg tgccctgtgc cggatcctca tgccctattg actagcctgc ttgctgaagg      540
agcccagggg cctgagcctg caacactgca aggggtgaga agggcatgct gctgtgggag      600
cactggactc aaacctcaca ttagaagcta caaagaaccc caaatgagct tcagagcccc      660
accaaccccc aagccaggct catccctgac acagtgaatc cactgcagcc cccgtgggaa      720
actctgtgcc aattgactgc ttaaagaact gggggaaata gaaagccgag aaagagctcc      780
gatacacaag ggaaaccgca cgtgagaacc agcactccca gcaggagagc gtcactctcc      840
agaggccaca gagatggcag acacctctgt ctccacaatg accccacatc cnaactgaaa      900
gtgtgcagga agacaggtct attgacactg aaatctagaa atcaaggctc acaggcgaat      960
ggaggcatct tcagccctga ggaggccagg ctgtgtctcc tgacgcccct gaggggtgggc     1020

```

```

acagcagcca gctctgtgtg ggcggagtcc acgtggtcct cattctcttc cctggggaca 1080
gggcagcaca gtcagatgct gagactgagg ccacacacat gggggcgcct tcctgccttg 1140
gcccggccca gctgcctctg gagccaggag gccgtggcag ccacaccaca gtgtggatcc 1200
agacacgatt ctgtggaggg gttccgggat tccagacaga ctgaatctcc atggaatgat 1260
gaaaattaaa atttacttga ttatggaagt ctctgattta ttccagccaa aatattagat 1320
gagccactga gaatcaccac aaagcaatcg ccctcacggc ccttgccagg gtgacggcac 1380
agcaggagga caggtgcccc ggccagtggg tctagctctt caccctctgcg acctccttct 1440
ctgccttctc tttggccttc tccttctcct ccaccttctc ctctttttcc agtgttgcta 1500
caatctcagc cacctggctg gtggagatgt gaacatcttc tttgtccacc agctcaatca 1560
ccttgacgag gtcgtcgatg ttgaccttgc catccttggt ttcattccagt gctgcggcca 1620
ggctggtgag cttgcttttcg ggaatgtgct tgacttgctt catggcggtg atgagctcag 1680
cgacactgat gacgttctcc cccgtgggca tgccgttggc cggggccagc ttgccagcct 1740
gctggtccat ctccagctgc gagatcaagc catcgatctg cccgatcatt tgctgcaccc 1800
tttttgtcaa tctcttgctg gctttagatt cttccacgta tttttcttca ccagtctttg 1860
aaagtctcct cttgatctcc tgcaagtcct cgctgtagtc ctgcacatcc tccttcagca 1920
gctccagctc ctcccttctc ttggtgagtg acttcttctg ctctgcagc ttagagcagg 1980
catcgctgag gatgtcgatt tcctccttcg tgatctcttc ctccctcaag ccctccagca 2040
ccggggcagt gtccttcaag gtctctgact gcaggactgt gtcaggcatt tctggctgtg 2100
gctcggtccc cggccttttg ggagcagcta ccacacgttc gggctcaaaa tccttctgaa 2160
aggcaaggcg acaccagccc agcggccgcc atcacacaga agcagtcttc ttgctccccg 2220
aagctcagaa catatggcag aggccacact gggagcaggc ctgcagggtg cattgggcag 2280
cacacctgcc acagaaggtc cctagggagg ctccatgcag ctgccaggtc acctggggcc 2340
ctctccagaa caggctagag caccttatcc atctctggtc tccccaagac tccccaagc 2400
tgccctgtca cttgcagagc agg                                     2423

```

<210> 5110

<211> 2266

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(884)

<223> similar to gi5813803 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5110

```

atggagtatc ccgcgccggc cacggtgcag gccgcggacg gcggagcggc cgggccttac 60
agcagctcgg agttgctgga gggccaggag ccggacgggg tgcgctttga ccgcgagagg 120
gcgcgccgcc tgtgggaagc cgtgtccggg gccagccggg tgggtagaga ggaagtggag 180
cacatgatcc agaagaacca atgtctcttc accaacaccc agtgtaagggt ttgctgcgcc 240
ttgcttattt ctgagtccca gaagctggca cattaccaga gcaaaaaaca tgccaacaaa 300
gtgaagagat acctagcaat ccatggaatg gagacattaa agggggaaac gaagaagcta 360
gactcagatc agaagagcag cagaagcaaa gacaagaacc agtgctgccc catctgtaac 420
atgacctttt cctcccctgt cgtggcccag tcgcactacc tggggaagac ccacgcaaag 480
aacttaaagc tgaagcagca gtccactaag gtggaagcct tgcaccagaa tagagagatg 540
atagacccag acaagttctg cagcctctgc catgcaactt tcaacgaccc tgtcatggct 600
caacaacatt atgtgggcaa gaaacacaga aaacaggaga ccaagctcaa actaatggca 660
cgctatgggc ggctggcgga ccctgctgtc actgactttc cagctggaaa gggctacccc 720
tgcaaaacat gtaagatagt gctgaactcc atagaacagt accaagctca tgtcagcggc 780

```

ttcaaacaca	agaaccagtc	acaaaaaaca	gtggcatcat	ccctgggcca	gattccaatg	840
caaaggcaac	ccattcagaa	agactcaacc	accttggaag	actagagggtg	attctgcccc	900
gcatcccata	ttgggccagc	catgagccag	cttcccgtga	ctgctcagcc	cttggtcccc	960
tcttgctcgt	tgttctcacc	aggaaagtac	acgggcctga	ggcaggattg	ggccacagac	1020
agcctctcat	tgggtccgggc	taattcactc	ctgctgctcc	cctttggcag	gggtcctgta	1080
ggtcatgaca	ggggaggcaa	gggtattgag	agactcgggg	tctcgcgggg	tggtagtttg	1140
gagggtggt	ttccccat	ccccacccct	ctgggcctta	ggtgctgagg	cccctgccac	1200
ctgtctttcc	tctaaaggtc	agttttgggc	cagttcttgc	aactaaagag	cagagatctc	1260
tctgggccct	agacatttcc	agcaaaacct	ggaactttca	tgccaaacct	ggggcagggc	1320
aggaaacaga	ggaaatggct	gcaacatggg	agcttgagc	taatacgaca	ctctgccttc	1380
cccagaagg	tgcaggcttt	cctgagtcct	agaccagata	tgccaggttg	cgcaggtttc	1440
tgccaactgt	gaagtatcct	cctggagcag	tgacacaatc	ttggcggagc	attgctaccc	1500
ccgctgcccc	ctccacagtt	cctgaatggt	gctaaggatc	tgacagcagtt	ggcaacgagc	1560
tggggctggg	ggcggcctcc	atgtccactg	agatcatagg	acactccaat	ggggatggga	1620
cctttcccct	cctccatcag	agggtgctctg	accctagggt	acacgggaaa	gtgcccaca	1680
tgcaagtctc	cctgagggtt	ctgcccctaa	aggcagactg	cctcatgccc	gctagctgtg	1740
aggttcattg	ctaccctcgg	ccctactagc	cctctcttcc	cccttggtgca	gcggaccact	1800
tgcccagttt	gctgtggtgc	tagccttccc	catcatccac	cgggtgattt	ctgggtcccc	1860
gggaaagaaa	gagagagctg	atgcaggttt	ctacagttag	gaacaggcgt	ttcccaggcc	1920
ccacacccag	atttctctat	ctttgctgtg	ttttatggcc	tgggactgag	tccacacgga	1980
tagatttttc	cttgtaacct	tgagacgaga	attccaagga	gtgtcaccat	cagaggcttc	2040
tcttcattgt	gtcaaagaag	cccctagctg	ctctcgtggc	ctccttcccc	cactccctat	2100
cccttcacct	gtgaaatgcc	tttgctttgc	atattgtgtg	tggtgtgtgtg	tgtgtgtgtg	2160
tgtgtgtttg	tgtgtatgtg	tgtgcttctg	tgtgtgccta	atgctctgtc	tcttggtcac	2220
tgaagcatcc	aaataaagaa	tttccctcat	gggccagact	acaaaa		2266

<210> 5111

<211> 1041

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (122)...(539)

<223> similar to gi2832266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5111

cactaacctg	cccctactgc	tggagctgcc	cacacggtgg	tccccgacct	tgggcccaga	60
ccggcacggg	gctccggaaa	aactgcttgg	ggctgagcgg	atgccccgag	ccccgggcgg	120
ctttgagtgc	ttccactgcc	acaaacccta	ccacacgtg	gccgggctgg	ccaggcaccg	180
gcagctgcac	tgccacctgc	agggggggcg	tgtcttcacc	tgcaagtact	gcgacaagga	240
gtacaccagc	ctgggtgccc	tcaagatgca	catccgcact	cacacgctgc	cctgcacctg	300
caagatctgt	ggcaaggcct	tctccaggcc	ctgggttactg	cagggccatg	tccgcacca	360
cacaggggag	aagccctatg	cctgctcgca	ctgcagcagg	gcctttgccg	accgctccaa	420
ccttcggggc	catctgcaaa	cgcactcaga	cgccaagaag	taccggtgcc	ggcgctgcac	480
caagaccttc	tcccgcatgt	ccctcctggc	gcggcatgag	gagtctgggt	gctgcccggg	540
cccctgagag	gcacgtggtc	ggcgcaggta	ggagggatgg	tcctcaccgg	gagagctggc	600
gtccctcctg	ccccagagg	agccaggagt	ctgggagggc	ggggcctggc	ctcacacttg	660
gtgcgtcctc	cacatctgcg	tccaatcaga	accaaagaag	tccagcgggg	gccactgggc	720

cggaggacac	tccccaggc	atcccaccgc	gcggagccca	ctcagaggag	actcctctcc	780
cggggaaggc	tttcatcaga	acaagagcca	tggttccatt	tcgacacggc	caggtctccg	840
gggctaccct	tccaagagtc	agagcctcgg	ggaggtggcc	gccagcatgg	gccggcactg	900
ccgccggatg	gctggcaagg	ctgcctagtt	cccttgccagc	agaaatgaac	agttctgact	960
tatagtgcgc	acggccctgt	ggcccttcct	cagtaggcac	aactacctct	cagccagccc	1020
ccgccagcct	ttggtttggg	g				1041

<210> 5112
 <211> 1698
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1699)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1)...(1090)
 <223> similar to gi2589009 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5112						
taccctccaa	atagcaaatg	tacttgga	atcacagttc	ccgaaggaaa	agtagtcgtt	60
ctcaatttcc	gattcataga	cctcgagagt	gacaacctgt	gccgctatga	ctttgtggat	120
gtgtacaatg	gccatgccaa	tggccagcgc	attggccgct	tctgtggcac	tttccggcct	180
ggagcccttg	tgtccagtgg	caacaagatg	atggtgcaga	tgatttctga	tgccaacaca	240
gctggcaatg	gcttcatggc	catgttctcc	gctgctgaac	caaacgaaaag	aggggatcag	300
tattgtggag	gactccttga	cagaccttcc	ggctctttta	aaacccccaa	ctggccagac	360
cgggattacc	ctgcaggagt	cacttgtgtg	tggcacattg	tagccccaaa	gaatcagctt	420
atagaattaa	agtttgagaa	gtttgatgtg	gagcgagata	actactgccg	atatgattat	480
gtggctgtgt	ttaatggcgg	ggaagtcaac	gatgctagaa	gaattggaaa	gtattggtgt	540
gatagtccac	ctgcgccaat	tgtgtctgag	agaaatgaac	ttcttattca	gtttttatca	600
gacttaagtt	taactgcaga	tgggtttatt	ggtcactaca	tattcaggcc	aaaaaaaactg	660
cctacaacta	cagaacagcc	tgtcaccacc	acattccctg	taaccacggg	tttaaaaccc	720
accgtggcct	tgtgtcaaca	aaagtgtaga	cggacgggga	ctctggaggg	caattattgt	780
tcaagtgact	ttgtattagc	cggcactgtt	atcacaacca	tacttcgcga	tgggagtttg	840
cacgccacag	tctcgatcat	caacatctac	aaagagggaa	atttggcgat	tcagcaggcg	900
ggcaagaaca	tgagtgccag	gctgactgtc	gtctgcaagc	agtgccctct	cctcagaaga	960
ggctctaaatt	acattattat	gggccaagta	ggtgaagatg	ggcgaggcaa	aatcatgcc	1020
aacagcttta	tcatgatgtt	caagaccaag	aatcagaagc	tcttgatgc	cttaaaaaat	1080
aagcaatgtt	aacagtgaac	tgtgtccatt	taagctgtat	tctgccattg	cctttgaaag	1140
atctatgttc	tctcagtaga	aaaaaaaaata	cttataaaat	tacatattct	gaaagaggat	1200
tccgaaagat	gggactggtt	gactcttcac	atgatggagg	tatgaggcct	ccgagatagc	1260
tgagggaagt	tctttgcctg	ctgtcagagg	agcagctatc	tgattggaaa	cctgccgact	1320
tagtgcggtg	ataggaagct	aaaagtgtca	agcgttgaca	gcttggaagc	gtttatttat	1380
acatctctgt	aaaaggatat	tttagaattg	agttgtgtga	agatgtcaaa	aaaagatttt	1440
agaagtgcaa	tatttatagt	gttatttgtt	tcaccttcaa	gcctttgccc	tgaggtgtta	1500
caatcttgtc	ttgcgttttc	taaatcaatg	cttaataaaa	tattttttaa	ggnnnnnnnn	1560

09483725-012100


```

nnnnnnnnnn nnnngggggg ccgttttaaa gaatccttgg gggggccaaa gtttacgcgg 1620
gcttgcaacg gaatagtttt ttccttatag ggggcggtat tataacctac ctgggaattt 1680
ttggaaagga cctttact 1698

```

```

<210> 5113
<211> 2185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2011)...(1170)
<223> similar to gil572802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5113
tttttttttt ttgagtttcc aaaattagaa tttatttcag tttctaagga atgaatcccc 60
gagtgtggca ggaaggacac agccggctcc tgacgcacac ctgatttgat tcaacaccga 120
gtcggcacag acacaaccag agatggcctg ggtccaggct ggggctgcac gggctgtgtc 180
ctggacagcc aggagggagg ccccgcacac agacggccgc cgggcagggg gcctgagcgg 240
gacaggcctg gccacagccc atgtccttgg ccttcacacat aggtgcacac attgtctgcc 300
cagagagggc caagatgccc caggcacccc ttcgctccgg gggtcagga cacaggctcc 360
cagctgaggc cagcctgga cccagagctg atgtttggct gcacgcgagc ccactcggga 420
cagaccaag aacacgaatt ctgtcccttt ggatttaagg ctggtgtttt ttgacattta 480
cttcagtttt tctctctgaa attaaaatta cctgagtaaa agattttaag acattaaaaa 540
agccaaaaac acagaatccc tgcaggcaga cgggtgccagg gaggtggcgg ccagggccag 600
gatgccaggg gcacggtggg gtccgctgga gctccagggc tgggcctttc ccagtctcgc 660
ctgccctgga gccccagga gccgcccctg ggccgacgct cctgtggccg gagcacagga 720
aggcacagtg aggtagggac agtggccatt gtcccccgcc tgccaccagg gctgagaggg 780
cagcgcacgc ctgggcccct cctataagcc cctgcccctc cggagctggg tgtcttgtcc 840
agaagccggg gaacggcccc tgcagtgtgg gaggggaggg gctgccggga ggccctgagct 900
cagacagtta aataatcctt tatttggttg ggctggggga ggggtgactg gcccaggagg 960
gcaggcgagg ccgggcccag acccccatgg ggggtggcag gggcctcggg cgggctagga 1020
tgcacctggc acccagaagt gccgcggggg cactggctcc tcaggggccc gagcgggcgg 1080
ggagcagtct cctacttgtg ccgggcctcg gtcacctctc gcaggcagta ctgcgcggcg 1140
ggcagcgaca ggaccaggct cgcggtgcgg cgcccacatc agtacaggct gtagcccagc 1200
aggccgaaga aggcggcctt cacggccaac cgagacactc tgccggagac ggacggcggg 1260
ggcacggtca tgatctcctg gatgttgagg tcggtgctcc agttcttctc gatgccaggc 1320
acgtggccca tgcccacgac gccacgacc acggagggga cgcacttctt gggctcggcg 1380
tcagaggccc gaggcagctc gaggcgcgcg gcggcctggc gcagcatgta ggttaggtag 1440
acgtcgcgct ccgagacgat ggtgcggtgc aggtctggga actcgccaat catctcggcc 1500
atcatctgct ccagtaggtc cttctgcttg cagcgttcca cgtcactctt gctgatgggg 1560
tctgacagga agcacaggcc ccaagccagc ctgaccttct gccagaagga gagcgctgcg 1620
atggccctct tgaaggtgac ggggatgggt cggtcaccca ggtggaactt gcagaaaggc 1680
accttgctgg cctccttgaa ggccctccctg aactcgccac ctggggccat gccagctgc 1740
tcggtgatgt gtgcagacac cttcagcagc agcatctgca tcagccccga catgagcccg 1800
ttctgcctca cggcctgctg cagcttctcc aggtgagct cctgggcctc ccgcagcagc 1860
gtgctctcgt ccattctcag catggacaca cgatattggc agagctccac gaccaccacg 1920
tcaggctgca cctcccgat ggtcttcaca acgtccctct tgctgtcgtc gctgaagtgg 1980
gctgtcccca ccacgtacac cctgctcccg tcctcagcca ccaactgggt cacagtgcgc 2040

```

```

ggcagggttg gccgctgacg ccgcccgttc agcttcatct ccaggagcag gttgaaggcg 2100
tccacgtcgg acaggttctg ggggtctcca gaaagcacc tgggcaccgg ctctgaagcc 2160
acgaaatcgt cgacccggga attcc 2185

```

```

<210> 5114
<211> 411
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(315)
<223> similar to gi5103027 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5114
ccccggccac ctaccaccca ctccactcca acctccaagc ccacctgggc cagctttccc 60
cgctcctga gcaccctggc ttcgacgcc tggatcaact gagccagggtg gaactcctgg 120
gggacatgga tcgcaatgaa ttcgaccagt atttgaacac tcctggccac ccagactccg 180
ccacaggggc catggccctc agtgggcatg ttccggtctc ccagggtgaca ccaacggggtc 240
ccacagagac cagcctcatc tccgtcctgg ctgatgccac ggccacgtac tacaacagct 300
acagtgtgtc atagagctgg aggcgccccg tccggtcagc cctcgcgccc tctccttcct 360
gtgccttgag tggcagagga gccgtccagc cacaccagct ttctctccac c 411

```

```

<210> 5115
<211> 2065
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (685)...(959)
<223> similar to gi3875176 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5115
cggacgcgtg ggctcgcgta gccgtgcgcc gattgcctct cggcctgggc aatgggtcccg 60
gctgccggtc gacgaccgcc ccgcgtcatg cggtcctcg gctggtggca agtattgtg 120
tgggtgctgg gacttcccgt ccgcggcgtg gaggttgacg aggaaagtgg tcgcttatgg 180
tcagaggagc agcctgtca ccctctccag gtgggggctg tgtacctggg tgaggaggag 240
ctcctgcatg acccgatggg ccaggacagg gcagcagaag aggccaatgc ggtgctgggg 300
ctggacaccc aaggcgatca catggtgatg ctgtctgtga ttcttgggga agctgaggac 360
aaagtgagtt cagagcctag cggcgtcacc tgtggtgctg gaggagcgga ggactcaagg 420

```

tgcaacgtcc	gagagagcct	tttctctctg	gatggcgctg	gagcacactt	ccctgacaga	480
gaagaggagt	attacacaga	gccagaagtg	gcggaatctg	acgcagcccc	gacagaggac	540
tccaataaca	ctgaaagtct	gaaatcccca	aagggtgaact	gtgaggagag	aaacattaca	600
ggattagaaa	atttctactct	gaaaatttta	aatatgtcac	aggaccttat	ggattttctg	660
aacccaaacg	gtagtgactg	tactctagtc	ctgtttttaca	ccccgtggtg	ccgctttttct	720
gccagtttgg	cccctcactt	taactctctg	ccccgggcat	ttccagctct	tcactttttg	780
gcactggatg	catctcagca	cagcagcctt	tctaccaggt	ttggcaccgt	agctgttcct	840
aatattttat	tattttcaagg	agctaaacca	atggccagat	ttaatcatac	agatcgaaca	900
ctggaaacac	tgaaaatctt	cattttttaat	cagacaggta	tagaagccaa	gaagaatgtg	960
gtggtaactc	aagccgacca	aataggccct	cttcccagca	ctttgataaa	aagtgtggac	1020
tggttgcttg	tattttcctt	attcttttta	attagtttta	ttatgtatgc	taccattcga	1080
actgagagta	ttcgggtggct	aattccagga	caagagcagg	aacatgtgga	gtagtgatgg	1140
tctgaaagaa	gttggaagaa	ggaacttcaa	tccttcgttt	cagaaattag	tgctacagtt	1200
tcatacattt	tctccagtga	cgtgttgact	tgaaacttca	ggcagattaa	aagaatcatt	1260
tggtgaacaa	ctgaatgtat	aaaaaaatta	taaactgggtg	ttttaactag	tattgcaata	1320
agcaaagtca	aaaatattca	atagatgcac	tattcttggt	tttactgcat	gaacgtaatc	1380
cagtatttgg	aaagtaatcc	agtttgaaat	gtgaagatgt	attccggcag	aatagtgaat	1440
agaatgacat	gcttactata	cagaaggcaa	aaataggact	ctcaggtaat	agtttaagga	1500
aacccttgat	tccttatata	tgtttaagaa	ggttagtttt	ctgtttcttt	gcagtttttc	1560
ttctagagtc	catagcagga	aagtatgtaa	ccagaattgg	ttagtgtgac	ccccccaagt	1620
agcaagtgat	ggaaaataag	agtcaaatac	cttgatgttt	gtgatctcta	actcaaaaaa	1680
tttgaagtgt	tttaagttgt	ttctgggtaa	gggagatggt	aggagaaagg	aatgctgta	1740
actaaagctc	aattattatc	agttctatgc	taacgtatac	attttaatca	tagttacctc	1800
agcagcatgc	attaattgaa	ccttaaaatg	ttcccaactgc	gcctggccta	aacaaacttt	1860
ttgaaaagct	gttttctaaaa	gattccttaa	attcagatat	gacagcta	aat	1920
taaattactt	ttataactaat	tgtttccagg	gttttagagt	agttgaatgt	ttatttcaca	1980
aggcacccta	aattctatag	aaataaaaacc	tcagatgagt	ctccttctta	gagtggttaca	2040
atgaatggga	gtttacactt	ttatg				2065

<210> 5116

<211> 2276

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (271)...(492)

<223> similar to gi3877645 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5116

gaagagtgtg	cgccaggggg	ctgcctgatg	gagctatgca	tccagctcag	catcgatcatg	60
ctggggaaac	agctgatcca	gaacaacctg	ttcgagatcg	gcatcccgaa	gatgaagaag	120
ctcatccgct	acctgaagct	gaagcagcag	agccccctg	accactagga	gtgtgtgaag	180
aggaaacagc	ggtacgaggt	ggattacaac	ctggagccct	tcgcgggcct	caccccagag	240
tacatggaga	tgatcatcca	gtttggcttc	gtcaccctgt	ttgtcgcttc	cttccccctg	300
gccccactgt	ttgcgctgct	gaacaacatc	atcgagatcc	gcctggacgc	caaaaagtgtt	360
gtcactgagc	tccgaaggcc	ggtagctgtc	agagccaaag	acatcggaat	ctggtacaat	420
atcctcagag	gcattgggaa	gcttgctgtc	atcatcaatg	ccttcgtgat	ctccttcacg	480
tctgacttca	tcccgcgcct	ggtgtacctc	tacatgtaca	gtaagaacgg	gacctgcac	540

```

gggttcgcaa ccacaccctc tcctccttca acgtcagtga cttccagaac ggcacggccc 600
ccaatgaccc cctggacctg ggctacgagg cgcagatctg cagggtataa agactaccga 660
gagccgccga ggccggaaaa caagtacgac atctccaagg acttctgggc cgtcctgtgc 720
atccggctgg cagttgtgat cgtcttccag aacctgggtca tgttcatgag cgactttgtg 780
gactgggtca tcccggacat cccaaggac atcagccagc agatccacaa ggagaagggtg 840
ctcatgggtg agctgttcat gcgggaggag caagacaagc agcagctgct ggaaacctgg 900
atggagaagg agcggcagaa ggacgagccg cctgtcaacc accacaacac caaagcctgc 960
ccagacagcc tcggcagccc agccccagc catgcctacc acggggggcgt cctgtagcta 1020
tgccagcggg gctgggcagg ccagccgggc atcctgaccg atgggcaccc tctcccaggg 1080
caggcggctt cccgctccca ccaggggccc gtgggtcctg ggttttctgc aaacatggag 1140
gaccactttc tgataggaca ttttctttc ttctttctgt tttctttccc ttgtttttgc 1200
acaaagccat tatgcaggga atatttttta atctgtagta ttcaagatga atcaaatga 1260
tggttggtta tacggcaata aggtagcaaa ggcaggtgct ttgcagaaag aatgcttgga 1320
aacttgagtc tccctagagg tgaaaagtga gcagaggccc ctagaacccc tcctctgaat 1380
cctcctaatt ccttaagata gatgcaaaat ggtaagccga ggcacgcgcg aaaagctggg 1440
gcgatgcttc agggaaaatg gaaaacccac gcaagaataa tgattgattc cggttccaaa 1500
aggtgtcacc tacctgtttc agaaaagtta gactttccat cgctttttcc ttccatcagt 1560
tgagtggctg agagagaagt gcctcatccc tgagccacac agggggcggtg ggagcatccc 1620
agttatccct ggaaagctag aaggggacag aggtgtccct gattaagcag gaaacagcac 1680
ccttggcgtc cccagcaggc tccccactgt cagccacaca cctgccccca tcacaccaag 1740
ccgacctcag agttgttcat ctcccttatg ggacaaaacc ggttgaccag aaaatgggca 1800
gagagagatg acctcggaag catttccaca gatggtgtca gggtttcaag aagtcttatg 1860
gcttccaggg gtcccctgga agcttttagaa tatttatggg tttttttttt caaatatcaa 1920
ttatatggta gattgaggat tttttttctg tagctcaaag gtggaggagg tttattagtt 1980
aaccaaatat cgttgagagg aattttaaact actgttacta cccaaagatt tttattaata 2040
aaggcttata ttttggtaac acttctctat atttttactc acaggaatgt cactgttgga 2100
caattatttt aaaagtgtat aaaaccaagt ctcataaatg atatgagtga tctaaatttg 2160
cagcaatgat actaaacaac tctctgaaat ttctcaagca ccaagagaaa catcatttta 2220
gcaaaggcca ggaggaaaaa tagaaataaa tttgtcttga agatctcaaa aaaaaa 2276

```

<210> 5117
 <211> 1547
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1489)...(974)
 <223> similar to gi2842518 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5117
tttttttttt tggatttttt tgtgctttta tgttcgcagt cacacgaaag tggcatctcc 60
atcagcactg gggcggcggg cctcctcatc agccgacagc ttgcacggtc cccgcctctc 120
atccatttgg tctgttttga agttactaga tcatacaaaa ataaccgcta caaattctct 180
gtatctggca tataaaaact gagcaaaaag tatctcttaa agcaaaacat ctcagaaaaa 240
atacaacaca ggtttaactt ctgcagtact ttgttcatat aaaacactag taaaataggc 300
ttcttaaaaa ttaaatagtg aaataccaac caaattatat acattgttac agtacaagtg 360
aatgaggcaa aatatccagt tcttagtttc ccagggtggg ggggggtggc ttcagtgcgt 420
ggcacggagg ggggtgacagg aaggccacgt tccgatgtca cagtcagcgc agaaagaggc 480

```

ttgcagcggg	acaaacagat	ggaaagaact	gagtcacaca	gggaagacca	ggggctcctt	540
tgaggaagag	tgaggtcatg	tttttattgc	ttgctaatacc	gaggttttcc	ctggcccgat	600
gcccctctag	gtagcctgga	tcccaaatgc	tgacagccac	gtagcgctaa	tccatgtcac	660
caagcagcca	cggggaagcc	acagctgctc	cagagaagac	agaactaggc	ttcagagccc	720
tcaatatctg	agctggaccg	atcctggtct	ttcaggtcca	tcagggtccc	acatggtcca	780
actgacacac	acgtttcccc	gctgacggcc	acgttcacct	gagagcctga	gggcgggcag	840
tgtgggctca	tggcactggg	atggtatcac	tgtggcctgg	ggggtggcac	tcagacccag	900
ccaacccccct	cagcgaccac	agtgcctcgc	ccgcttctct	gccgccacca	gggctgaggg	960
tctacgtgcg	gcgccgcttg	gcagcactgg	gactggaagg	gttgctgttt	gcggtcagga	1020
ctttgtcggg	gacccggctg	cgcttccgct	tgtctgcgcc	ttctttgcac	cccaagtctg	1080
aggagttctt	ctctttgtct	ttgctggatt	tttctgatgc	tttccccaaa	ctccctgaag	1140
atgaaaaaac	atcgtcagcc	ccattgtggg	ggtccacgtc	ttccttcatc	tcctctttca	1200
tctcctcttc	tatcatcact	tttccttctc	ggacctcctg	aatgatctct	tctggaagga	1260
cgaagtccct	ctctggattc	gggaatggaa	gaatctcaga	ctcatgcagc	gcctgcatgt	1320
cgtacatggg	gctcagatgg	tcccagatga	ccttggatgg	gacctgccgc	ccgatgttct	1380
ggctgaactt	gtcccgaata	caaatacatgt	ggaagtgtcg	gttcacaccg	acgggcttgt	1440
ggcccagcat	ggcgtggaag	aggcacacct	ccacctcggg	gctccacacc	actgtctcct	1500
ccgccgggct	ggtggccgcc	tcccccgggc	ccttgtcgct	tgcgggcg		1547

```

<210> 5118
<211> 863
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(864)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (10)...(654)
<223> similar to gil825727 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5118						
ctggaagaag	agcgggagtt	ttataatgcc	aggcgacggg	agcatcgcca	gaggaatgac	60
gttggtggtg	gcggcagtg	gtctcaggag	ttggttcctc	ggcctgggtg	caacaacaaa	120
gaaaaagagg	tgcccgtctaa	agaaaaacca	agctttgaac	tttctggggc	acttcttgag	180
gacaccaaca	ctttccgggg	tgtagtcatt	aaatatagtg	agccccaga	agcacgtatc	240
cccaaaaaac	ggtggcgctc	ctacccattt	aaaaatgatg	aggtgcttcc	agtcatgtac	300
atacatcgac	agagtgcgta	cctactgggt	cgacaccgcc	gcattgcaga	cattccaatt	360
gatcacccgt	cttggttcaaa	gcagcatgcg	gtctttcaat	atcggcttgt	ggaatatacc	420
cgtgctgatg	gcacagtttg	ccgaagagtg	aagccctaca	tcattgacct	tggctcaggc	480
aatggaacct	tcttaaacaa	caaacgtatt	gagccacaga	gatactatga	actaaaagaa	540
aaggatgtac	tcaaatttgg	attcagtagc	agagaatacg	tcttgctcca	tgagtgcngc	600
gacacttctg	aaatagacag	gaaagatgac	gaggatgagg	aggaggagga	agaagtgtct	660
gacagctagc	aaactaagaa	cccaaactat	tgatacacgg	tttccttctt	ggaagtcttt	720
gattgactca	gagagcacta	tggtggtggg	tccagcacta	tggtgctctc	tgtaatgcct	780
cttactgcct	taagtctttc	ctctgttgct	gaccagattg	tgttaccatt	tgaatacact	840

<210> 5119
 <211> 930
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (12)...(204)
 <223> similar to gi5107816 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5119
 ggaattcccg ggtcgagggg gaccgccttg gggggctgtc catcagccca gcgggcatcg 60
 tgaagcggga tgagctgggtg ttccggatgg tccgtggccg ccgggtgccc atccttatgg 120
 tgacctcagg cgggtaccag aagcgcacag cccgcatcat tgctgactcc atacttaatc 180
 tgtttggcct ggggctcatt gggcctgagt caccagcgt ctccgcacag aactcagaca 240
 caccgctgct tccccctgca gtgccctgac ccttgctgcc ctgcctgtca cgtggccctg 300
 cctatccgcc ccttagtgct ttttgttttc taacctcatg gggtagtgga ggcagccttc 360
 agtgagcatg gaggggcagg gccatccctg gctggggcct ggagctggcc cttcctctac 420
 ttttccctgc tggaagccag aagggttga ggctctatg ggtgggggca gaaggcagag 480
 cctgtgtccc agggggaccc acacgaagtc accagcccat aggtccaggg aggcaggcag 540
 ttaactgaga attggagagg acaggctagg tcccaggcac agcgagggcc ctgggcttgg 600
 ggtgttctgg ttttgagaac ggcagacca ggtcggagtg aggaagcttc cacctccatc 660
 ctgactaggc ctgcatccta actgggcctc cctccctccc ctgggtcatg ggatttgctg 720
 cctcttttgc cccagagctg aagagctata ggcaactgtg tggatggccc aggaggtgct 780
 ggagctaggt ctccaggtgg gcctggttcc caggcagcag gtgggaaccc tgggcctgga 840
 tgtgaggggc ggtcaggaag ggttacaggt ggggtccctc atctggagtt ccccctcaat 900
 aaagcaaggt ctggacctgc aaaaaaaaaa 930

<210> 5120
 <211> 2614
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(916)
 <223> similar to gi3294180 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5120

ctgtgtggtt	ttatgtagtc	atggcaggtg	ccttttgttt	catcctcata	caactagtct	60
tacttattga	ttttgcacat	tcatggaatg	aatcgtgggt	tgaaaaaatg	gaagaaggga	120
actcgagatg	ttggatgca	gccttggtat	cagctacagc	tctgaattat	ctgctgtctt	180
tagttgctat	cgtcctgttc	tttgtctact	acactcatcc	agccagttgt	tcagaaaaca	240
aggcgttcat	cagtgtcaac	atgctcctct	gcgttggtgc	ttctgtaatg	tctatactgc	300
caaaaatcca	agaatcacia	ccaagatctg	gtttgttaca	gtcttcagta	attacagtct	360
acacaatgta	tttgacatgg	tcagctatga	ccaatgaacc	agaaacaaat	tgcaacccaa	420
gtctactaag	cataattggc	tacaatacaa	caagcactgt	cccaaaggaa	gggcagtcag	480
tccagtgggtg	gcatgctcaa	ggaattatag	gactaattct	ctttttgttg	tgtgtatttt	540
attccagcat	ccgtacttca	aacaatagtc	aggtaataaa	actgactcta	acaagtgatg	600
aatctacatt	aatagaagat	ggtggagcta	gaagtgatgg	atcactggag	gatggggagc	660
atgttcaccg	agctgtagat	aatgaaaggg	atgggtgcac	ttacagttat	tccttctttc	720
acttcatgct	tttcctggct	tcactttata	tcatgatgac	ccttaccaac	tggtacaggt	780
atgaaccctc	tcgtgagatg	aaaagtcagt	ggacagctgt	ctgggtgaaa	atctcttcca	840
gttggtattgg	catcgtgctg	tatgttttga	cactcgtggc	accacttggt	cttataaatc	900
gtgattttga	ctgagtgaga	cttctagcat	gaaagtccca	ctttgattat	tgcttatttg	960
aaaacagtat	tcccaacttt	tgtaaagtgt	tgtatgtttt	tgcttcccat	gtaacttctc	1020
cagtgttctg	gcatgaatta	gattttactg	cttgtcattt	tggtattttc	ttaccaagtg	1080
cattgatatg	tgaagtagaa	tgaattgcag	aggaaagtgt	tatgaatatg	gtgatgagtt	1140
agtaaaaagt	gccactattg	ggcttattct	ctgctctata	gttggtgaaat	gaagagtga	1200
aacaaatttg	tttgactatt	ttaaaattat	attagacctt	aagctgtttt	agcaagcatt	1260
aaagcaaagt	tatggctgcc	ttttgaaata	tttgatgtgt	tgcttgccag	gatactgcaa	1320
agaacatggt	ttatttttaa	atttataaac	aagtcactta	aatgccagtt	gtctgaaaaa	1380
tcttataagg	ttttaccctt	gatacggaat	ttacacaggt	aggagtggtt	tagtggacaa	1440
tagtgtaggt	tatggatgga	ggtgtcggta	ctaaattgaa	taacgagtaa	ataatcttac	1500
ttgggtagag	atggcctttg	ccaacaaagt	gaactgtttt	ggttgtttta	aactcatgaa	1560
gtatgggttc	agtggaaaat	tttggaactc	tgaaggattt	agacaagggt	ttgaaaagga	1620
taatcatggg	ttagaaggaa	gtgtttgaaa	gtcactttga	aagttagttt	tgggccagca	1680
cggtagctca	cccttgtaat	cccagcactt	tgggaggctg	aggtgggtag	attacttgag	1740
cccaggaaat	caagaccagc	ctgggcaaca	tggtgaaacc	ctgtttctat	aaaaaataat	1800
ctgggctttg	tagcatatgc	ctgtggtccc	agctactgag	gaggctgagg	tgggaggatt	1860
gcttgagccc	aggaggcaga	ggttgacagt	agccaagggtc	acgtcactgc	actctagcct	1920
gggcaacaga	gtaagacaaa	aaaatatata	tatattgaaa	atcaaaggag	gcaaaatttt	1980
gacagggaag	gaagtaactg	caaaacacta	ggctttagta	ggtacttata	taaaatctag	2040
tccagttctc	tcattttaaaa	aaatgaagac	actgaagtac	agacttaaat	agctcagata	2100
gctaattagg	aaatttcaag	ttggccaata	atagcattct	ctctgacatt	taaaaataat	2160
ttctattcaa	aatacatgca	taattgattt	tacacctcat	tactggtgga	taatttatgt	2220
gatgtggatt	gctgggtgtc	agcatgaccc	ataaacaggt	cagaagaatg	atggaatgtt	2280
ttagaataaa	ctcctgctta	tagtatacta	cacagttcaa	aagatgttta	aaatgctttt	2340
gtattttactg	ccatgtaatt	gaaatatata	gattattgta	acctttcaac	ctgaaaatca	2400
agcagtatga	gagtttagtt	atgtgtatgt	gtcactagtg	tctaataag	cttttaaaat	2460
ctacaatttc	ttcttttaaaa	atatttatta	atgtgaatgg	aatataacaa	ttcagcttaa	2520
ttccccaacc	ttattctgtg	tgtagacatt	gtattccaca	atgttgaaatg	gctgtgtttt	2580
acctctaaat	aatgaattc	agagaaaaaa	aaaa			2614

<210> 5121
 <211> 2945
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2188)...(471)

<223> similar to gil519392 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5121

tttttttttt	ttcctgcctg	aatcagggag	acccaggatg	ctgttcaggc	cttatcccaa	60
ccaaattgtg	taccaacag	ctcattgaga	acaagccatg	atgacaatgg	cggttttgtc	120
aaatagaaaa	gggggaaatg	tggggaaaag	caagagagat	cagattgtta	ctgtgtctgt	180
gtagaaagaa	gtagacatag	gagactccat	tttgttctgt	actaagaaaa	attcttctgc	240
cttgagattc	tgtaaatcta	taaccttacc	cccaaccccg	tgctctctga	aacatgtgct	300
gtgtcaactc	agagttaa	ggattaaggg	cgggtgcaaga	tgtgctttgt	taaacagatg	360
cttgaaggca	gcatgctcct	tgagagtc	caccactccc	taatctcaag	taccagggga	420
cacaaaaact	gcggaaggcc	gcagggacct	ctgcctagga	aagccaggta	ttgtccaagg	480
tttctcccca	tgtgatagtc	tgaaatatgg	cctcgtggga	agggaagac	ctgaccgtcc	540
cccagcccga	cacccgtaaa	gggtctgtgc	tgaggaggat	tagtaaaaga	ggaaggcatg	600
cctcttgag	ttgagacaag	aggaaggcat	ctgtctcctg	cccgtccctg	ggcaatggaa	660
tgtctcggtg	taaaacccga	ttgattgtac	gttccatcta	ctgagatagg	gaaaaaacgc	720
ctatctcacc	tatcacccgc	tatcaccact	ccctaattctc	aagtaccag	ggacacaaac	780
actgcggacc	actcccta	ctcaagtacc	cagggacaca	aacactgcgg	aaggccgcag	840
ggctctctgc	ctaggaaaac	caggtattgt	ccaaggtttc	tcccatgtg	atagtctgaa	900
atacagcctc	gtgggaagg	aaagacctga	ctgtcccca	gcccgaaccc	cgtaaagggt	960
ctgtgctgag	gaggattagt	ataagaggaa	ggcatgcctc	ttgcagttga	gacaagagga	1020
aggcatctgt	ctcctgccc	tccctgggca	atggaatgtc	tccgtataaa	acccgattgt	1080
gcgttctatc	tactgagata	gggaaaaacc	gccttagggc	tggaggtggg	acatgtgggc	1140
agcaatactg	ctttgtaaag	cattgagatg	tttacgtgta	tgcatatcta	aaagcacagc	1200
acttaatcct	ttacctgtgc	tatgatgcaa	agacctttgt	tcacgtgttt	gtctgctgac	1260
cctctcccca	caattgtctt	gtgacctga	cacatcccc	tctcgagaa	acaccacga	1320
atgatgaata	aatactaagg	gaactcagag	gctggcgagg	tctccatat	gctgaacgct	1380
ggttccccgg	gtcccccttat	ttctttctct	atactttgtc	tctgtgtctt	tttcttttcc	1440
aaatctctcg	tcccacctta	cgagaaacac	ccacagggtg	gtaggggcaa	cccaccccta	1500
catctggtgc	ccaacgtgga	ggcttttctc	taggggtgaag	gtacgctcga	gcgtggctcat	1560
tgaggacaag	tcgacgagag	atcccagagta	catctacagt	cagccttacg	acatttggaag	1620
ttctacaatg	aacccatcag	agatgcaaa	aaaagcacct	ccgcggagac	ggagacatcg	1680
caatcgagca	ccgttgactc	acaagatgaa	caaaatggtg	acgtcagaag	aacagatgaa	1740
gttgccatcc	accaagaagg	cagagccgcc	aacttgggca	caactaaaga	agctgacgca	1800
gtagctaca	aaatatctag	agaacacaaa	ggtgaaacaa	acccagaga	gtatgctgct	1860
tgacgccttg	atgattgtat	caatgggtgc	tgacggtgta	cccaacagct	ccgaagagac	1920
agcgaccatc	gagaacgggc	catgatgacg	atggcggttt	tgtcgaaaag	aaaaggggga	1980
aatgtgggga	aaagcaagag	agatcagatt	gttactgtgt	ctgtgtagaa	agaagtagac	2040
ataggagact	ccattttgtt	atgtactaag	aaaaattctt	ctgccttgag	attctgtgac	2100
cttaccacca	accccgctgc	ctctgaaaca	tgtgctgtgt	caactcagag	ttgaatggat	2160
taagggcggt	gcaggatgtg	ctttgttaaa	cagatgcttg	aaggcagcat	gctccttaag	2220
agtcatacacc	actcccta	ctcaagtacc	cagggacaca	aaaactgcgg	aaggccgcag	2280
ggacctctgc	ctaggaaagc	caggtattgt	ccaaggtttc	tcccatgtg	atagtctgaa	2340
atatggcctc	gtgggaagg	aaagacctga	cgtccccc	gcccgaaccc	cgtaaagggt	2400
ctgtgctgag	gaggattagt	aaaagaggaa	ggaatgcctc	ttgcagttga	gacaagagga	2460
aggcatctgt	ctcctgcctg	tccctgggca	atggaatgtc	tccgtataaa	acccgattgt	2520
atgctccatc	tactgagata	gggaaaaacc	gccttagggc	tggaggtggg	acctgcgggc	2580
agcaatactg	ctttgtaaag	cattgagatg	tttatgtgta	tgcatatcta	aaagcacagc	2640
acttaatcct	ttacattgtc	tatgatgcaa	agacctttgt	tcacgtgttt	gtctgctgac	2700
cctctcccca	caattgtctt	gtgacctga	cacatcccc	tcttcgagaa	acaccacaa	2760
atgatcaata	aatactaagg	gaactcagag	gctggcgagg	tctccatat	gctgaacgct	2820
ggttccccgg	gtcccccttat	ttctgtctct	atactttgtc	tctgtgtctt	tttctttcct	2880
aagtctcttg	ttccacctta	cgagaaacac	cacaggtgtg	gaggggcaac	aagagactta	2940
ggaaa						2945

09493735 012100


```

<210> 5122
<211> 741
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (742)...(205)
<223> similar to gi777776 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5122
tttttttggg ctgccctcat gggccagggt gtttattcac agagcaacag agtcagcaca      60
gggcaggga cggccaggcc tcagcatatc ctgagacctg cagcctgtcc cagcctgggc      120
ggggcagggtg tccgggtccct ggctaggggtc tgaccaagtg ctggatgtca cgtgaggaag      180
cggggccttg tctgggggtg tctacggatc actggtgaca tatgccggga gggtgacacc      240
atccgcattg aaaaggatgt tgtcaaagcc aggggctgtg gcctctgtgt tgctctggaa      300
ggggcagctc cccttcttgt gcagccagcc ccgtcccca agtcccagca gcaccaggag      360
catgagcaat aggagggcac tgccaaccac agctggcaca gaccgggtg cggctgtgtt      420
ccccgggctg ggggcaggct gctggcaatg ctgcccagcc agatactcca cgtcatccag      480
ggcaatgggc cccagggtctg gctggccgcc cagagtggct tcaaacacga tctggaactc      540
cttggcactg gctacctcca cctgggcctc cagccactgg tgccgccgat gcccgcctgc      600
gccccacaca gccagctggc cctgagcact gtgcagcagt accttcagct cccccttgta      660
gaagtgtca ggaaaacca tgtggtacca gaagcggagg caggaggctg gggtggccgg      720
cagaggctcg ctgcgcagcc a                                           741

```

```

<210> 5123
<211> 1521
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(1522)
<223> n = a,t,c or g

```

```

<220>
<221> misc_feature
<222> (1448)...(623)
<223> similar to gi453197 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5123
tttttttttt ttacatcttc actgtagaaa atttatttgc ctttccatgg acaacaatca    60
tttgtattat tatcagtttt ctacaacacg tagagttgtc aaatagctta aagacaagga    120
caagtataga cccttctaga atcagataac tcctagaaaag gtcttctaga caatctgtag    180
tgaagttaag taataacctc aagatttcac aaactgtaaa ctcgatctgg gaattcaacc    240
cagatctata ttgttctgga aattccaggc tctttttttc tgtatcaaga agcttttggg    300
ctggaagagt gtttttcagc aggaattgtg gtattggcca cccatcaccc catttaatta    360
aaaatccctg gcctacagga cctacagcaa tgtactgaag aacttcagaa cctcaattag    420
ccatttgcca tcttgagaga gtcttgtcca tggttcaagt gttcccttgg aactcctgaa    480
gggcttgag cttagtctga gccatgggaa atggccaaaag agtctcaaga ttcccactgt    540
atcctgtgcc ttggagcagg caaggagacc atggcagccc ctggccccgg tcagttcttg    600
gctttggcag ttccgggacc aggacgctgg tacagccgga ttatcccttc atcgtgtagc    660
cgcttccaga cttctctctc cagcttgaag tcatggttta tgtaaaagat cagccgcttc    720
catgatgtat catagtagtg atcagaaaag cgctcatggc cctcagtgat gaagccataa    780
gcactcacct ggtcacagag ctgaagggca gtgagcagca ggaggggccc agtggtgggg    840
cggtatatcc tccagtgggc accatccagg gtcttagacc tcagaaacct gttcttcatg    900
tatcgagaaa agtctgggtg cagcaacagg tccctgtcca tgtgcagggc ttcccgaaaa    960
gcttcctggg gtctgtgcct gaaccagaaa aggttttttg acatcacctg ctgattcata   1020
agcagtgtct ccagccactc atagtcccgg gtgccttcca ggaagtgcaa gtagcggacg   1080
tccttcccaa gaggcacgtt cttgaaaccc cgattgcca atataaggag tgactgggtc   1140
agggagaagg cggtaaagcc gtagaaggat gtccgagtcc ccacatcctg ttcgtagcct   1200
ttaatgagag ctccgctcaa tcggaacacg tagtcgtgac tgtctatctc ctggcccatg   1260
tgggagttgt tcaggatgcc ccggttgccc accacggcac aggtgatgct ccggaggctc   1320
ccagcgggga ggctggccag gagcagctgc tgctggggcc ctggagggaa gcgtgtctcc   1380
cccttttgcn ccaaggagta gttgagctcc atgaaaccaa aggggtggtg aaagtgttcc   1440
aggcgcgtag gagtgggcag tcccggnaat tccgggccgg tncgacgggt gtcgaagcta   1500
tcaattntcn ngnangcccc g                                     1521

```

```

<210> 5124
<211> 5840
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (2)...(4096)
<223> similar to gi3449298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5124
gccctgcca cctcacgcag actgccggga cctctggcag accttttctt gcacctgcca    60
gccaggttac tacggcccag gctgtgtgga tgccctgcctc ctgaaccctt gtcagaacca   120
gggatcatgc cggcacctgc caggagcccc ccatggctat acctgtgact gtgtgggtgg   180
ctatttcggg caccactgtg agcacaggat ggaccagcag tgcccacggg gctggtgggg   240
gagcccaacc tgtggcccct gcaactgtga tgttcacaaa ggttttgatc ccaactgcaa   300
caagacaaat gggcagtgtc actgcaagga gttccactac cgaccgcggg gcagtgactc   360
ttgcctcca tgtgactgct accctgtggg ctccacctcg cgctcatgtg caccacacag   420
cgggcagtgc ccctgtcgcc caggagccct tggccgccag tgcaacagct gtgacagtcc   480
cttcgcagag gtgacagcca gcggctgccg ggtgctctat gatgcctgcc ctaagtccct   540
gagatctggt gtgtggtggc ccagacaaa gtttggcgct ctggccacag tgccctgtcc   600

```

ccggggggcc	ctgggattgc	ggggtgcagg	tgctgctgtg	cggtgtgtgt	atgaggccca	660
gggttggtctg	gagcccgacc	tcttcaactg	tacctcccct	gcctttcgag	agctcagtct	720
gctgctggat	ggcctagagc	tgaacaagac	ggcactggat	accatggagg	ccaagaagct	780
ggctcagcgg	ctacgggagg	tgactggcca	cactgaccac	tatttttagcc	aagatgttcg	840
agtcactgcc	cgcctgctgg	cccacctgct	ggccttcgag	agccatcagc	agggcttcgg	900
gctgacagcc	acacaggatg	cccacttcaa	tgagaatctg	ctgtggggccg	gctctgcaact	960
gcttgcccca	gagacagggg	acttggtggg	ggcgctgggg	cagcggggccc	ctgggggctc	1020
cccaggcagc	gcgggactgg	tgaggcacct	ggaggagtat	gcagccacac	tcgcaaggaa	1080
tatggaactc	acatacctga	atcccatggg	gctgggtgacg	cctaatatca	tgctcagcat	1140
tgaccgcatg	gagcacccca	gttctccccg	gggggcccgt	cgctaccctc	gctaccatag	1200
caacctcttt	cgaggccagg	atgcctggga	tcctcacacc	catgtgctgc	tgccctccca	1260
gtccccacgg	ccatccccat	ctgaagtctt	gcccacaagc	agcagcatag	aaaactccac	1320
cacctcaagt	gtggtccccc	caccagcccc	gccagagcca	gagcctggga	tctccattat	1380
cattctcctc	gtttaccgca	ccttaggggg	actgctccct	gcccagttcc	aggcagaacg	1440
ccgaggtgcc	aggcttcctc	agaaccccgt	catgaactcc	ccggtggtca	gcgtggctgt	1500
gttccacgga	cgcaacttcc	taaggggaa	cctggagtcc	cccatcagcc	tagagtctcg	1560
cctgctacag	acagcgaatc	ggagcaaggc	gatctgtgtg	cagtgggacc	cacctggcct	1620
ggcgagcag	catggtgtgt	ggacagcacg	ggactgcgag	ctggtgcaca	ggaatgggtc	1680
ccacgcacgg	tgtcgctgca	gccggacagg	gacctttggg	gtcctcatgg	atgcctctcc	1740
ccgtgagagg	ctggaggggc	acctggagct	gctggctgtg	ttcacccacg	tggtcgtggc	1800
tgtgtctgtg	gctgcgctgg	tgctgactgc	agccatcctg	ctgagcctgc	gcagcctcaa	1860
gtccaatgtg	cgtgggatcc	atgccaatgt	ggcagccgcc	ctgggggtgg	cagagctcct	1920
cttcctgctg	gggattcaca	ggaccacaaa	tcagctggtg	tgactgcag	tcgtcatcct	1980
cctgcactac	ttcttcctca	gcaccttcgc	gtggctcttc	gtgcaggggc	tgcaacctca	2040
ccgcatgcag	gttgagccac	gcaacgtgga	ccgcggcgcc	atgcgcttct	accatgccct	2100
gggctggggc	gtccctgctg	tgctgctggg	ccttgctgtg	ggcctggacc	ctgagggtca	2160
tgggaacctt	gacttctgct	ggatctcagt	ccacgagccc	ctcatctgga	gctttgctgg	2220
ccctgttgct	ctggtcatag	tgatgaacgg	gacctgtttt	ctcctcgctg	cccgcacatc	2280
ctgctccaca	gggcagaggg	aggccaagaa	gacctctgca	ctgacccttc	gcagctcctt	2340
cctgctgctt	ctgctgggtc	gtgcctcctg	gctctttggg	ctcctggcag	tcaaccacag	2400
catcctagcc	ttccactacc	tcactgctgg	actctgcggc	ctccagggcc	tggcggtgct	2460
gctgctcttc	tgtgtcctaa	atgcagatgc	tcgggtgcgc	tggatgccag	cctgtctggg	2520
caggaaggca	gcgcctgagg	aggcaaggcc	agcacctggg	ctgggacctg	gggcctacaa	2580
caacacggct	ctctttgagg	agagtggcct	catccgcctc	actctggggc	cctccaccgt	2640
ctcctctgtg	agcagtgcgc	gctccggccg	gaccagggac	caggacagcc	agcggggccg	2700
cagctacctc	agggacaatg	tcttggttcg	acatggctca	gccgctgacc	acactgacca	2760
cagcctccag	gctcatgctg	gccccactga	cctggacgtg	gccatgttcc	atcgagatgc	2820
tggcgagac	tccgactctg	acagtgaact	gtccttgagg	gaggagagga	gtctctccat	2880
tccatcttca	gaaagcgagg	acaatggccg	gacgcggggg	cgcttccaac	ggccactctg	2940
ccgagcagcc	cagagtgaga	ggctcctcac	ccaccccaaa	gatgtggatg	gcaatgacct	3000
cctgtcctac	tggccagccc	tgggggagtg	cgaggcagcc	ccctgtgctc	tgcaagacttg	3060
gggctctgaa	aggcgccctg	ggctggacac	cagcaaggat	gcagctaaca	acaaccagcc	3120
agacccggcc	ctgaccagtg	gggatgagac	ttctctgggc	cgggcccagc	gccagaggaa	3180
aggcatcctg	aagaaccggt	tgcaataccc	actggtgcca	cagacccgag	gtgcccctga	3240
gctgtcctgg	tgccgtgcag	ccaccttggt	ccaccgtgct	gtgccagctg	cctcttacgg	3300
tcgcatctat	gctggcgggg	gcacgggcag	cctttcacag	ccagccagcc	gctactcttc	3360
tagagaacag	ctggacctgc	tcttcggcg	gcaactgagc	cgtgagcgac	tagaggaagc	3420
ccctgcccct	gttctacgtc	ccctgagccg	gccaggggtc	caggaatgca	tggatgctgc	3480
accagccga	ctggagccca	aagatcgggg	cagcaccctg	ccacggaggc	agccacctcg	3540
ggactacctt	ggcgccatgg	ctggccgctt	cgggtcacgg	gatgcgctcg	acttaggggc	3600
acctcgagag	tggttgagca	cgctgcctcc	gccccgcgc	acccgggacc	ttgaccaca	3660
gccccacct	ctgcccctgt	ctccccagcg	gcaactctca	agggaccccc	tcttgccatc	3720
ccggccgctg	gactctctgt	ctaggagctc	gaactctcgg	gagcagctgg	accagggtgc	3780
tagccggcac	ccctcacgag	aagcccttgg	gccactcccg	cagctgctca	gagctaggga	3840
ggactcggtc	agtggcccca	gccatggccc	ctccacagaa	cagttggaca	ttctttcctc	3900
catccttgcc	tctttcaact	cctcgccctt	ctcctctgtg	caatcttcaa	gcacaccctt	3960
gggcccctac	accactgcca	caccttctgc	cacagcctct	gtgcttgggc	cctccacgcc	4020

00483733.012100

acgttctgcc	acgtctcaca	gcattctcgg	gctgtcgcga	gactcagaag	ttcccagaag	4080
tgagggtcac	tcctgagggg	atgacggcgt	ggacgaggaa	cagctgaggg	cgacagagga	4140
tctaggctaa	caggagagac	tccaggagtg	ggggcagatc	ccaaggcagc	ctcctgctcc	4200
ccagtgggtg	gtgccccagc	tctacctggg	gtggcagggc	tgaggctcca	tgtgcatctg	4260
tgagcatgcg	tgtgacaggt	gcagagacgg	gggactggag	ggagactttt	atacgttttg	4320
tacctttgta	accagagaga	tgcttatgtt	atttttcagc	ttttctgtct	cctggggggg	4380
ttgaggctgg	gctggggagg	ggagggagat	agagggagag	atgcagtttg	accccatttg	4440
ggtcctgagc	aaaccttatg	ctcatctctc	tctccttcct	ggggtggact	cagatggggtg	4500
ggacacatgc	cttcctcccc	ctattccacc	cccaagttga	tctgagtatc	gtcagggggcc	4560
caaagtacag	aattgttctt	tgttttttat	tgaatgctcc	aaaggccaaa	cttctggggc	4620
tgggggttgg	tcttggaaac	aggggtcctc	tgacttcctc	atgggggctt	gctcataaccg	4680
cccctcctgg	tggatgtgtg	tgtttattat	gtggagtccc	tgccacttac	tgccttatga	4740
cctaggactg	atgctgtggg	gtgctggtgg	agcagctgat	gtcgtgttta	cagagcaagg	4800
cttcctgtgc	tcccacgggg	aggggctcgg	gcctctagtc	agacattcct	gcagagggtc	4860
ggtggagggg	tcattcacct	gcccctgcag	caagcaaaaag	ttgtctgtgg	tgccatttga	4920
ttccctgaca	ctgccccctg	cttgaattga	ttccgaaggg	taggggtggga	aggtgagcaa	4980
agggagcaga	aacaagggaa	ttcaagaccc	agaatgtagg	tgccactgcc	tcctatgttt	5040
acaggatcct	ccgtggccct	aggcacctgg	gctgcaggaa	gtgactccgt	tccactcctc	5100
ctttattccc	ttaaaaaggg	aaaaatgact	gttacgaccc	tgttcacaaa	actcttactt	5160
ttgctatttt	gtctgtctgc	cagaactgaa	gactttaaaa	ttttgttact	gtttacaagt	5220
ccagattcaa	aaaatgtttt	tactttgttt	acaactcaaa	actttgagtt	ttacactttg	5280
tttacagtag	ataatttttt	ttcctttgtt	tccaagtga	aggtagggaa	agtgggagag	5340
ggacttgag	gacccacctg	tgaggacctt	gacctggcca	tcttgagggg	ttttctaacc	5400
cccagggtct	ccaggccgaa	ggtcagcctt	gagtcgccgt	taacagcaga	tccagaagac	5460
cttgagagta	ggcgctcctt	aaccacgggg	gagagtggct	gtgcagggct	gggggggtgg	5520
ctgtgcagac	acctcctcac	ccaccacccc	atgcatactc	ttgggaagca	gcttcctggg	5580
agattagaaa	ttctacttcc	ctgactggag	ctaaatccca	ccagccagga	cccaaactct	5640
ccttaccgag	aaggacccca	gctcttgaag	ggctgagtgg	cctgctgggg	gtgggagggg	5700
gtctttacta	tgtcctaggt	ttcgtagatg	cccctctctg	gggttcccct	cctccagccc	5760
agcggccctc	tttctgtctt	gtgtaaattg	ttcgtggaag	ccgcgctctg	ttttgggaat	5820
aaacttctat	agaaaaacaa					5840

<210> 5125
 <211> 1697
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1585)...(1292)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5125	
tttcgtgtgg	60
agggttccgg	120
cccctgtcta	180
gggccttcca	240
aggcctccgg	300
gaccccgagc	360

```

agcattgagc cttcatcctc tattccccat ccagtgggggt gccgaggctc aggcagcatg 420
acgacggaga cctttgtgaa ggatatcaag cctggggtca agaattctgaa ctttatcttc 480
attgtgctgg agacaggccg agtgaccaag acaaaggacg ggcattgagg tccgacctgc 540
aaagtggcgg acaaaacagg cagcatcaat atctctgtct gggacgatgt tggcaatctg 600
atccagcctg gggacattat ccggctcacc aaagggtacg cttcagtttt caaaggttgt 660
ctgacactat atactggccg tgggggtgat ctgcagaaga ttggagaatt ctgtatgggt 720
tattctgagg ttcctaactt cagtgaacca aaccagagt acagcaccca gcaggcacc 780
aacaaggcgg tgcagaacga cagcaaccct tcagcttccc agcctaccac tggaccctct 840
gctgcctctc cagcctctga gaaccagaat gggaatggac tgagtgtccc accagggtccc 900
ggtggtggcc cacatcccc tcatactccc tcccacccac ccagcacccg aatcactcga 960
agccagccca accacacacc tgcaggcccg cctggccctt ccagcaaccc tgttagtaac 1020
ggcaaagaaa cccggaggag cagcaagaga tagcatgaca ttctttcttc ctgccaccaa 1080
ccacatccca agtgtcccct ggagagcaag atagccttcc actgattggc tgggtgtagca 1140
gtatttttag cactgaactt cagtggaggg tgggtgagcag tgtccttata caccctaata 1200
tcatactccc tcattgtcca gctgaactac ctgtcccctg ggagtcagga cctctgcct 1260
gctctctttc ctcttttaga atggcagtta ctggctgggc gcagtggctc acgcttgtaa 1320
tccagcact ttgggaagcc gaggtgggag gatcacctga ggtcgggagt tcaagaccag 1380
cctgaccaac atggagaaac cccgtgtcta ctaaaaatac agaattagcc aggcattggtg 1440
gcgtatgcct gtaatcccag ctacttagga ggctgaggca ggagaatctc ttgaaaccgg 1500
gaggcggagg ttgaggtgag ccgaaattgc accattgcac tccagcctgg gcaataagag 1560
cgaaactcca tctcaaaaaa aaaagaaaga aagaaagaaa gaaagaaaga aatggcagtt 1620
accatctgtt tcttctgtgt gagacatggg agtctaactg aagtctctcc ttcctaataa 1680
atgttaccac ttctaaa 1697

```

<210> 5126

<211> 2577

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (475)...(1294)

<223> similar to gi310660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5126

```

atttccatga aatgggatca agtggagggt atcccatata ttgcctgtgg gaatgccagt 60
tctaacagct ctgcgggtgg ccgcctggta tcctttgaag tgccacagaa cacctcagtc 120
aagattcggc aagatgccac tgcctcactg attttgcctt ggaaggcac ggccacagga 180
ttccaacagt gctccctcat agatggacga agtgtgaccc cccttcaggc ttcaggggga 240
ctggtcctcc tggaggagat gctcgccttg ggaataatc actttattgg ttttgtgaat 300
gattctgtga ctaagtctat tgtggctttg cgcttaactc tgggtggtgaa ggtcagcacc 360
tgtgtgccgg gggagagtca cgcaaatgac ttggagtgtt caggaaaagg aaaatgcacc 420
acgaagccgt cagaggcaac tttttcctgt acctgtgagg agcagtacgt gggacttttc 480
tgtgaagaat acgatgcttg ccagaggaaa ccttgccaaa acaacgcgag ctgtattgat 540
gcaaatgaaa agcaagatgg gagcaatttc acctgtgttt gccttcctgg ttatactgga 600
gagctttgcc agtccaagat tgattactgc atcctaaacc catgcagaaa tggagcaaca 660
tgcatttcca gtctcagtgg attcacctgc cagtgtccag aaggatactt cggatctgct 720
tgtgaagaaa aggtggaccc ctgcgcctcg tctccgtgcc agaacaacgg cacctgctat 780
tggtgacgggg tacactttac ctgcaactgc agcccgggct tcacagggcc gacctgtgcc 840

```

cagcttattg	acttctgtgc	cctcagcccc	tgtgctcatg	gcacgtgccg	cagcgtgggc	900
accagctaca	aatgcctctg	tgatccaggt	taccatggcc	tctactgtga	ggaggaatat	960
aatgagtgcc	tctccgctcc	atgcctgaat	gcagccacct	gcagggacct	cgттаатggc	1020
tatgagtgtg	tgtgcctggc	agaatacaaa	ggaacacact	gtgaattgta	caaggatccc	1080
tgcgctaacg	tcagctgtct	gaacggagcc	acctgtgaca	gcgacggcct	gaatggcacg	1140
tgcatctgtg	cacccgggtt	tacaggtgaa	gagtgcgaca	ttgacataaa	tgaatgtgac	1200
agtaacccct	gccaccatgg	tgggagctgc	ctggaccagc	ccaatggtta	taactgccac	1260
tgcccgcgatg	gttggggtggg	agcaaaactgt	gagatccacc	tccaatggaa	gtccggggcac	1320
atggcggaga	gcctcaccaa	catgccacgg	cactccctct	acatcatcat	tgagagccctc	1380
tgcgtagcct	tcatecttat	gctgatcatc	ctgatcgtgg	ggatttgccg	catcagccgc	1440
attgaatacc	agggttcttc	caggccagcc	tatgaggagt	tctacaactg	ccgcagcatc	1500
gacagcgagt	tcagcaatgc	cattgccatcc	atccggcatg	ccaggtttgg	aaagaaatcc	1560
cggcctgcaa	tgtatgatgt	gagcccccac	gcctatgaag	attacagtcct	tgatgacaaa	1620
cccttggtca	cactgattaa	aactaaagat	ttgtaatctt	tttttggttt	atttttcaaa	1680
aagatgagat	actacactca	tttaaataatt	tttaagaaaa	taaaaagcct	aagaaattta	1740
aaatgctagc	tgctcaagag	ttttcagtag	aatattttaag	aactaatttt	ctgcagcttt	1800
tagtttgga	aaaataatttt	aaaaacaaaa	tttgtgaaac	ctatagacga	tgttttaatg	1860
taccttcagc	tctctaaact	gtgtgcttct	actagtgtgt	gctcttttca	ctgtagacac	1920
tatcacgaga	cccagattaa	tttctgtggt	tgttacagaa	taagtctaata	caaggagaag	1980
tttctgtttg	acgtttgagt	gccggctttc	tgagttagagt	taggaaaacc	acgtaacgta	2040
gcatatgatg	tataatagag	tatacccggt	acttaaaaag	aagtctgaaa	tgttcgtttt	2100
gtggaaaaga	aactagttaa	atttactatt	cctaaccgga	atgaaattag	cctttgcctt	2160
attctgtgca	tgggtaagta	acttattttct	gcactgtttt	gttgaacttt	gtggaaacat	2220
tctttcgagt	ttgtttttgt	catttttcgta	acagtcgtcg	aactaggcct	caaaaacata	2280
cgtaacgaaa	aggcctagcg	aggcaaattc	tgattgattt	gaatctatat	ttttctttaa	2340
aaagtcaagg	gttctatat	gtgagtaaat	taaaatttaca	tttgagttgt	ttgttgctaa	2400
gaggtagtaa	atgtaagaga	gtactggttc	cttcagtagt	gagatattgt	catagtgcag	2460
ctttattttat	ctccaggatg	tttttgtggc	tgtatttgat	tgatattgtgc	ttctttctgat	2520
tcttgctaata	ttccaaccat	attgaataaaa	tgtgatcaag	tcaagggaaa	aaaaaaa	2577

```
<210> 5127
<211> 6152
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(1906)
<223> similar to gi3327076 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5127						
gcgcctgcgc	atagacccca	gctgccccaca	gcttccctac	actgtgcac	ggatgttcta		60
cgaggccctg	gataagtatg	gggacctcat	cgctttgggc	ttcaagcgcc	aggacaagtg		120
ggaacacatc	tcctactccc	aatactacct	gctcgcccg	agagcgcca	agggttctct		180
gaagctcggc	ctgaagcagg	cccacagtgt	ggccatcctc	ggcttcaact	ccccggagtg		240
gttcttctcg	gcagtgggca	cagtatttgc	aggtggcatc	gtcactggca	tctacaccac		300
cagctcccca	gaggcctgcc	agtacatcgc	ttatgactgc	tgcgccaatg	tcatcatggt		360
cgacacgcag	aagcagctgg	aaaagatcct	gaagatctgg	aaacagttgc	cacatctaaa		420
ggcagtcgtg	atatataaag	aacctcctcc	aaacaagatg	qccaatgtgt	acacgatgga		480

ggaattcatg	gagctgggga	atgaagtgcc	tgaggaagcc	ctggacgcca	tcattgacac	540
ccagcagccc	aaccagtgtc	gtgtgtctagt	ctacacttcc	ggcaccactg	ggaaccccaa	600
gggctgtgat	ctgagtcaag	acaatatcac	gtggacggca	cggtacggca	gccaggccgg	660
tgacatccgg	ccggcagaag	tccagcagga	ggtggtagtc	agctacctgc	ccctcagcca	720
tattgccggc	cagatctacg	acctgtggac	aggcatccag	tggggggccc	aggtttgctt	780
tgccgaaccc	gacgccctga	aggggagcct	ggtgaacacg	ctgcgggagg	tggagccac	840
atcacacatg	ggggtgcccc	gggtatggga	gaagatcatg	gagcgcaccc	aggaggtggc	900
ggctcagtct	ggcttcatcc	ggcgaaagat	gctgctgtgg	gccatgtcgg	tgaccttgga	960
gcagaacctc	acctgccccg	gcagcgacct	gaagcccttc	acaaccagac	tggcagatta	1020
cctggtgcta	gccaaggttc	gccaggcact	gggatttgcc	aagtgtcaaa	agaacttcta	1080
tggagcggcc	cccatgatgg	cagagacaca	gcacttcttc	ctgggtctca	acatccgctt	1140
gtatgcgggc	tacggcctca	gtgagacctc	aggcccccac	ttcatgtcca	gtccctacaa	1200
ctaccggctg	tacagtctag	gcaagttggt	gcccggctgt	cgggtgaagc	tgggtgaacca	1260
ggacgcagag	ggcattggcg	agatctgcct	gtggggccgc	accatattca	tgggtacct	1320
gaacatggag	gacaagactt	gtgaggccat	cgacgaggaa	ggctggctgc	acacgggtga	1380
tgtgtgccgc	ctggacgccg	atggcttcc	ctacatcact	gggcgcctca	aagaattaat	1440
catcacagct	ggtggggaga	atgtgcccc	tgtgcccac	gaggaggccg	tgaagatgga	1500
gctgcccac	atcagcaacg	ccatgctcat	tggggaccag	aggaagtcc	tgtccatgct	1560
gctcaccttg	aagtgcactc	tggacccaga	cacctctgac	cagactgata	atctgactga	1620
acaagctatg	gagttctgcc	agaggggtgg	cagcagagcc	accacagtgt	ccgagatcat	1680
agagaagaag	gatgaggccg	tgtaccaggc	catcgaagag	gggatccgga	gggtcaacat	1740
gaacgcggcg	gcccggccct	accacatcca	gaagtgggcc	attctcgaga	gagacttctc	1800
catttcgggt	ggagagttgg	gtcccacgat	gaaactgaaa	cggctcacag	ttttggagaa	1860
gtacaaagg	atcattgact	ccttttacca	agagcaaaaa	atgtaatcag	ggcctatgcc	1920
tcagtctggg	atagaataga	gggcaggcgt	tccgagcctc	ttcctgagcc	ccaggtctct	1980
tggtctctaca	cacaggcatt	tctgccaaat	ctgttagatc	tccagggtcag	ggcacagcac	2040
tggtctctaca	tttaccagg	cttacgccaa	caatagctga	caattccaag	aagcttcacg	2100
tgtgggtagt	tttaattcag	tttaagtatt	gctttttgtt	caggtgacaa	atgagatcag	2160
ctctccttcc	agaacgaaag	ggctgataat	ttttggcctt	agttccagg	agattaaaaa	2220
gctgctagct	cacatacagg	acagccagca	gtaggctgtg	gagcgggtag	gagagagatg	2280
gctgatactg	ctcacgtgcg	ctgcaggaaa	agcaatcagt	cacaactcac	ctagcgacct	2340
gacttactct	ggaatcttgg	cgggcactgc	cgacctatt	attccattac	caggcactcc	2400
gccaccacaca	tgccaaactga	cttgatgctt	aataaaaactg	ctgctgcctg	tttgattcta	2460
tttaatgtat	aatttgaata	ttaaaccttt	taacagaact	gtcaacaagg	acctgatttt	2520
ttttgtcaat	tgagcagggtg	ggaccagtgc	agagagtagt	gggcatttaa	ctcacaggac	2580
tgtgcacagc	gggcatgcga	gtgaccatta	gtgccctgga	ataaacaaaag	gtgcaggatg	2640
gggtcaagtg	gcgcattctc	ataaaaagcag	ccagctttac	gttagcctgt	cgccaccaga	2700
ccacccact	tccattctga	atacgggaag	cagccattct	cagtagcaag	ctgagccaaa	2760
atgaccgaag	gcatttgaac	aggaaacagg	tagagaaaag	aaacatctca	gttttggaat	2820
tctttattac	tttgaacca	agagccctcg	ataactggca	caatccaatg	aaacagagga	2880
agcagcagct	taaacaaagg	aaaatacatt	taagattata	agtctggggg	ggcgggtaca	2940
agcttaaaaa	gtgaccaga	cagggatatc	attgctaaaa	aaaaaaaaaat	ccccttgtga	3000
cctgggtaca	ttttgcaaag	ccacaggttt	gcaatgttac	acaagggcca	aaggaggcca	3060
tgagttgtct	ttggttgtgg	ggacagagg	taactgttca	tgaataatag	gagtgctctga	3120
agattaagaa	aatcatgctg	cagcagagga	gaagggagag	gaagacagga	agggaaagga	3180
gatgcctgag	ggtcaaaaag	tgagcccaag	cctaagccca	agctcaagct	caagccccag	3240
catggcataa	ttttgtgaat	taactcaggc	tgagttgcct	ccagtctttg	gaatgtcatc	3300
ttatactgg	actgctgagg	cagagggcag	taattggtgc	tttgggatag	gagaaggggc	3360
agttgctgaa	atacaaaatt	aatagcatcc	caagttcctc	aattgcagcc	aaaatacatg	3420
tgttcgggcc	tttcggcagt	atcgccccca	gaactacctg	ctgtagtgtg	gtccattccc	3480
agacagcaac	atgcaagaat	aagtttacaa	tacactcagc	ccttctggct	tcagatcagg	3540
ggctcagagg	ctgtgacaac	tcatgatgct	gaaaatgtat	ccagtgaata	tgaagtacta	3600
gctctctgct	tcattaaaag	ctcttgga	gaatattaaa	tctcaagaca	acaaaataat	3660
tgaacacaca	atacatttgt	gtctttgtat	ccaatatatt	acctttgtct	tattaacaaa	3720
aattatatct	ctcattatat	atcttctgga	tctgaagttt	ttattcacac	tcagtaattt	3780
ctgtaaagga	caaactctgtc	tctattttcc	atatcattta	gaaatatacc	acattcactc	3840
tttttgatgt	gaactttccc	aggaaaattc	tcttgtgccc	atthagtttt	agaagagtgt	3900

cattttgtgc	tattatgtca	atatcctggt	ttattttccat	tatgtttttc	aaaaaccgaa	3960
gaaaataagg	tttttcttaa	aaagttagac	attttctctt	gttaattctg	tatcctgtta	4020
tttacagctg	aagagaaact	attttaactt	aagtgtaaaa	tggttttagaa	tagcaaataga	4080
tacagtccac	tcagagttta	caaaaaaaac	atttaccagg	tagacactta	ataaataaaa	4140
caagcacttg	gaaaaagttc	tttgaaaaaca	gacctaggga	catccacctg	catctttttgc	4200
acagattttg	ttaagaaaaag	gccagatcta	aaaatgtact	gtcaagaaac	aagcaaacca	4260
atgcatacat	acgtagggtat	tctaaacaga	ggttcatgtg	gtgtccattt	agagtgactg	4320
atgtaaaatgc	cagttgtaga	agtgttaatc	taaaatctttt	actcggcgac	agatttctctc	4380
tgtgaagtct	gagcattttg	cattgcctcc	caaatctttt	gtcaagctct	gagaaaagga	4440
aaaagcaaaa	ataaaagatg	tatccgcaaa	ctaaactaaa	ccaaggagat	tttaaagccc	4500
tcagtggagat	gccacctggg	caagttactc	ggctgctctt	tcattttagtt	cctcattttca	4560
aagtgaggaa	ccactccacc	accatctacc	cagcccagga	ggatcgggat	ccaatctcat	4620
agtgtataca	acagcactct	gcaaagaata	aggtgctctt	gatgcaaagg	gaggcaggga	4680
gctttaccaa	aattttccct	ttgttcacac	aatagaccct	aaccagatt	agttggtcac	4740
ggatatattaa	ataaaagcga	atctaaataa	gaagtttcat	aaaaatcctt	gggaaatatg	4800
tctcaggaat	agacctgaga	catattttga	tctatttttg	tttttattat	tatttttttt	4860
ttagatggag	tctcactctg	ttgccaggc	tggagtgcag	tggcacgatc	ccagctcacc	4920
acaacctctg	cctcctgggt	tcaagcgatt	ctcctgcctc	agcgtcctga	atagctggaa	4980
ttacaagtgc	atgccaccat	acccaactaa	tttttgtatc	tgatctattt	ttggaggctg	5040
ggacacaaat	acgaaagaaa	tatttaaatac	attaactctt	tttttttttt	taagagatgg	5100
ggtctcacta	tgtggcccag	gctggctctg	aactcagagg	ctaaggtgat	cctcctgcct	5160
cagcctatag	ctgcaactac	aggcatgcac	caccacacct	gcctaaatca	ttaactctta	5220
aacctccctc	tttaggaaag	aaagcctccc	atacaactga	tctgttctac	cagcttatcc	5280
tttctttcct	gcatacagac	cccaatatat	ttaattctct	ttatctttcc	atcctacaca	5340
ataaaaagggc	ccactatgta	attcaggcac	ctctctactg	ggctgtagat	tataacttcc	5400
caaataataac	tttaaagaat	aagaaaatca	tatgacctcc	aatgtgacta	tcaggctggt	5460
aaaaacaagc	ctgaattttct	tgtatttttg	ccacacgata	taattttcaa	ttacagaatt	5520
tttttaaaag	aagggaacca	ctttgaagat	attacgctaa	gtgaaataag	ccagactcaa	5580
aggacaaata	ctgtatgatt	ccacttacat	gaggtagccta	gagtagtcaa	attcatagag	5640
acaggaagca	gaatggcagg	tgtcagagga	tgggaggggg	aagggaaggt	tactgtttaa	5700
cgggtgcaga	gtctcagttt	gagaaaaatga	aactggctctg	gagatgactg	atgggtgatgg	5760
ttacattaca	atgtgaatgt	acttaacatt	attgaactgt	atacctaaat	acggctaaaa	5820
tggcaaat	tatgttatgc	atatttttca	caatttttgt	taaaaaggac	ctcaaattag	5880
ggatgagtct	tcaagtgcac	tatttcctct	aacttcggaa	tagcccgcga	cacttcttcc	5940
acaggccaca	attgcttacc	gaggcggtgg	agcttggttg	gtaaggccca	gactgcgtgt	6000
taataccaac	ttgggtcatt	taggagctgt	aaaaccttgg	acataattatt	tattctctct	6060
gtacctcagt	ttcctcatct	ataaaatgga	attatagcat	ctacttcaaa	gagttataga	6120
aaaactttgc	tgagatgata	tataaagaac	tt			6152

<210> 5128

<211> 2771

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(497)

<223> similar to gi4884128 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters


```

<400> 5128
gatctgagcg ccggccgcg tgcccaggca ctcccttggc gggccggatg gcggaacccc 60
gccagatcc cgaatctgag tcggaatcgg tgttcccgcg ggaggtcggg ctctttgcag 120
actcttactc ggagaagagc cagttctgtt tctgtgggca tgtgtgacc atcacgcaga 180
actttgggtc ccgcctcggg gtggcggcgc gcgtgtggga cgcggccctg agcctgtgca 240
attatttcga gagtcaaaat gtggatttcc gaggcaagaa ggtgatcgaa ctgggtgcgg 300
ggacaggcat cgtggggatc ttggcagcgc tgcaggagc ttatgggtcta gtgagggaga 360
cagaggacga tgtcatagaa caagaactct ggcgaggat gctggagacc tgtggacatg 420
ctctatccat gtctaccatg actccctggg aatccatcaa gggaaagctct gtcagggggg 480
gatgttacca tcaactgacct gcccttggcc ctagaacaga tccagggcaa cgtccaggcc 540
aatgtgccag ctggaggcca ggcccagggt cgtgccttgt cctgggggat tgaccatcat 600
gtcttccctg caaactatga cctggtgctg ggggctgata tctgtacct ggaaccacc 660
ttccctctgc tgcaggggac cctccaacac ctgtgcaggc cccatggcac catctatctg 720
gcctccaaga tgagaaagga gcatgggaca gagagcttct ttcagcacct cctgccccag 780
catttccaac tggagctggc tcagcgggat gaggatgaaa atgtcaacat ctatagggcc 840
aggcacaggg aaccaagacc tgcttgacat cacccttgct gttcttctca atctcttgc 900
ctaataagg aactgtgtat ctcaaaaacc atatttccag agccacaaac atgaggacca 960
aaaaggatg atttccctg cctctctcac tttcctcctt ccctcttctg taccacagat 1020
actcttgggc aggtgcagt aggtgcctgc ttacaaggaa tcccagagtt ctggcagcac 1080
tagtgtaga acaccaagga ggttccctggc tcctgttctc agagaaggag gatggtagg 1140
tatccaggat ttttagggg taaggagat atatgggatg tgagagcagt gattgtagac 1200
agactgtcac tgatcacttc cattcctgtt gctgtttaca cagaatggac tttaaaaaaa 1260
ttctgtggga ttttttttct ttttttctt ttttttgaga cagggtctca ctctgtcatc 1320
caagctggag tgcagtgggt tgatcacagc tcaactgcagc ctcaacctct gaaggcccag 1380
atgatcttcc tgcctcagct cccaagtag ctgggactag aggcatgcgc caccacaccc 1440
ggctaatttt tgtattttca gtagagacag ggtttcgcca tgttgcccag ggtggtctca 1500
aactcctggg ctcaagtgat ccacccgcct tgcctcccaa agtgctggga ttgcaggcat 1560
ggcccactgt gctagcctag gatttttttt tttttttaag aaagaattaa gccttaaaaa 1620
tctattgtgc aagaacccaa cttttactca ggagctgaga aggaagaagc ctcaaacacc 1680
ccatttctgc ctttttagag atagagtcta gtggaacct ggctctaact gggtaagtc 1740
ctcctagctc tgaagctaag gctgcagagc tgccttttgg actgtagttt cttcatgctt 1800
tccagagtta gagccttgat cacggaacat cattgtgtgc agaagaatac tgtacctagt 1860
actaagttct tttcatcttt gatttttctt tagcttcatc agtccttctt tcctaattct 1920
taatcccctg aagcctaaca cagttcctaa tgtgttttgc cttaacctct tttctcttcc 1980
cacattggta cttctggttg gggctctctt tacttactgc ttaggcacat agtcaccttc 2040
tctggactcc ctgcttccat gctttctcct tcagtccatt ccgcaaacct ttgtgatctt 2100
ccaaaattag ctctgattag ctttcaactc ctgtagaagc aagaacaagc tcctctgctt 2160
ggtacttagt ctgtgtccat gtgatccaaa attaccttcc tattgcattt cctactcctt 2220
tgctacgtgt attggacctc tggccaaatt acaaaagatg tactcttctg tctctaaaac 2280
cacactaaag ttttctgact tctttcacac tctttatgat aatcctctgc ctgaaaggct 2340
attgccacct gtcaaaatct tcattattct ttgcctcttt cctgagcctc ttgcttgaat 2400
gtgatttctt tctccctgag acccataagg ttcattctat gggaccttaa tttgtcttgc 2460
atggacattt gtgattctca ttttctcacc attaaattac cttggagggt agggctgtgg 2520
tttactcctg tctaaacccc tgaagcctaa cacagttcct ggcacacaa aggtgttcaa 2580
cagatattgt gctcattcaa taaatattta ctgccttctg ttaatggatt ccacccctgc 2640
cttcttaggt gaccttggac aaattctcga acccattcac caaccacaca agtttgttgt 2700
gagtcataaa tggataatga atataaatgc gcattgaaaa taaacataaa atgttaccce 2760
caaaaaaaaa a 2771

```

```

<210> 5129
<211> 2629
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (2)...(1278)
 <223> similar to gi3169158 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5129

tttcgtctgg	gacgagggtg	cccagcgctc	aggggtgag	gagcgggtggc	tagtgatcga	60
ccgtaagggtg	tacaacatca	gcgagttcac	ccgccggcat	ccagggggct	cccgggtcat	120
cagccactac	gccgggcagg	atgccacgga	tccctttgtg	gccttccaca	tcaacaaggg	180
ccttgtgaag	aagtatatga	actctctcct	gattggagaa	ctgtctccag	agcagcccag	240
ctttgagccc	accaagaata	aagagctgac	agatgagttc	cgggagctgc	gggccacagt	300
ggagcggatg	gggctcatga	aggccaacca	tgtcttcttc	ctgctgtacc	tgctgcacat	360
cttgctgctg	gatgggtgcag	cctggctcac	cctttgggtc	tttgggacgt	cctttttgcc	420
cttcctcctc	tgtgcgggtg	tgctcagtg	agttcaggcc	caggctggct	ggctgcagca	480
tgactttggg	cacctgtcgg	tcttcagcac	ctcaaagtgg	aaccatctgc	tacatcattt	540
tgtgattggc	cacctgaagg	gggccccgcg	cagttgggtg	aaccacatgc	acttccagca	600
ccatgccaaag	ccaactgct	tccgcaaaga	cccagacatc	aacatgcac	ccttcttctt	660
tgccctgggg	aagatcctct	ctgtggagct	tgggaaacag	aagaaaaaat	atatgccgta	720
caaccaccag	cacaaatact	tcttcctaata	tgggccccca	gccttgctgc	ctctctactt	780
ccagtggat	atcttctatt	ttgttatcca	gcgaaagaag	tgggtggact	tggcctggat	840
gattaccttc	tacgtccgct	tcttcctcac	ttatgtgcca	ctattggggc	tgaaagcctt	900
cctgggcctt	ttcttcatag	tcaggttcct	ggaaagcaac	tggtttgtgt	gggtgacaca	960
gatgaaccat	attcccacgc	acattgatca	tgaccggaac	atggactggg	tttccacca	1020
gctccaggcc	acatgcaatg	tccacaagtc	tgccctcaat	gactggttca	gtggacacct	1080
caacttccag	attgagcacc	atcttttttc	cacgatgcct	cgacacaatt	accacaaagt	1140
ggctccccctg	gtgcagtcct	tgtgtgcca	gcattggcata	gagtaccagt	ccaagcccct	1200
gctgtcagcc	ttcgccgaca	tcatccactc	actaaaggag	tcagggcagc	tctggctaga	1260
tgccctatctt	caccaataac	aacagccacc	ctgcccagtc	tgggaagaaga	ggaggaagac	1320
tctggagcca	aagcagaggg	gagcttgagg	gacaatgcca	ctatagttaa	atactcagag	1380
ggggttgggt	ttggggacat	aaagcctctg	actcaaactc	ctccctttta	tcttctagcc	1440
acagttctaa	gacccaaagt	ggggggtgga	cacagaagtc	cctatgaggg	aaggagctgt	1500
tggggcaggg	gtgtaaatta	tttccttttt	ctagtttggc	acatgcaggt	agttggtgaa	1560
cagagagaac	caggagggtg	acagaagagg	agggacctac	tgaaccacga	gtcaggaaga	1620
gatttaaacac	taaaattcca	ctcatgccgg	gcgtggtggc	acgcgcctgt	aatcccagct	1680
acccaggagg	ctgaggcagg	agaatcgctt	gaaccgggga	ggtggagggt	gcagtgcagc	1740
gagatcacgc	cattgtactc	cagcctgggc	gacaaagcaa	gactccatct	caaaaaataa	1800
ataaataaaa	aaataaaata	aaatgggtctg	gatttgggtca	acaccttatt	cagtaaatacc	1860
ttaattttacc	ttgagacata	caaagacatt	cttttaaga	gctattttct	tgggtattgca	1920
caaaggttaa	ttttaaagca	atccaggcaa	gtaagctcac	aaaaagaagt	acattcatct	1980
aatccattta	gcaaagtgtg	caaatcagct	tccaccaata	aaacgtagaa	atctgtgaaa	2040
ctctatcctt	cgtgtcagtt	ttaacattgt	gttgatggca	gccatttcag	gcagaggtag	2100
ccaagttcca	tatatatggg	gaaggcaaaa	agcagaaaaa	cattgcagga	gacttagcag	2160
ttctctggct	tctaatagct	atagagcaat	ttcgaatatg	agccatgttt	ctatgcagaa	2220
ttcttctttt	atgccttaaa	cacaaaagag	cctgtgtgtg	ccttgggcag	atatactgga	2280
attgtcctct	ttgagcttac	tttctctttt	ctctaaggctc	aagtaaaaaa	tgtgagcgt	2340
tttcatatac	cacaaaggta	atacagcagg	ctggagtcac	tctaatacaa	ttaggagcaa	2400
ttcccttgta	aaatccaccg	acgccttctt	tcctccatgt	ctttgtgatt	acatctatta	2460
caccactgta	aaacatgtgt	tgatcctgaa	gacgagctct	tacgacttga	tatgggtatg	2520
ttgctgcgac	agcaaatatt	ttggatagtg	ctgcaacaga	tatatattct	actgtgctca	2580
actgggcctt	tggtaatcta	ttgatatgct	ggttgtactt	caacttcag		2629

0948325.012100

<210> 5130
 <211> 2389
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2391)...(1943)
 <223> similar to gi5001689 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5130

tttcgtctgt	ccgcgttgcc	agcaacctgt	tttctttttt	gaggccccggg	ctgcggaggg	60
ggagaagatg	gggcgaatgg	gagccgctgg	attccctgag	gacgcggagg	gctagccaca	120
gtgtagtccc	agacaccctt	ttcacctgca	gcggtctgta	gtctccgcac	caccgcctcc	180
cactcgggtc	ttctcccttc	ctctgagagc	tctgtgggga	gtgtgaaacc	ggagcgggat	240
ggagctggcc	tcctggagac	actcatctcc	aggaagcagg	gcaggccaac	ctaattccct	300
agagggccga	agagggaaag	gaggggccct	atgcttgga	aggctcctcg	cagctcgggt	360
ccactttgtc	ctccacagct	gagaaggtga	gctccctggg	caagaactgg	caccgcttct	420
gctgaaatg	tgagcgctgc	cacagcatcc	tgtcccctgg	cgggcatgca	gagcacaatg	480
ggaggccata	ctgccacaag	ccatgctatg	gggtctcttt	tggacccagg	ggccctcccc	540
atatgaagac	attcactggg	gagacctcgc	tgtgccctgg	ctgtggggag	cccgtctatt	600
ttgctgagaa	ggtgatgtca	ttaggcagaa	attggcaccg	accgtgtctg	aggtgccagc	660
gttgccacaa	gaccctgact	gctgggagtc	atgctgagca	tgatggagtc	ccctactgcc	720
acgtcccctg	ctacggctac	ctgtttggcc	ccaaaggtgt	gaacattggc	gatgtgggct	780
gctacatcta	tgaccocagt	aagataaaat	tcaaattgaga	cgctcacaaa	aaaggtcacc	840
ctaactcagg	cctcccatca	tgcccctcat	gggtccaatg	aagctacaaa	aatctccagt	900
cccatggggg	ttggggaagg	tgggatcttg	ggggcctggg	cctaggctcc	atggtaggcc	960
agagagtcta	gactttctct	gccaattttt	tccctttccc	atttctatct	ggttagggaa	1020
cagcccgttt	tgaagggtat	cctcctcctg	gccatcacaa	cccctttccc	cagcacattc	1080
tggagcttca	aggtactcat	aaaacttgtg	tttattgaat	ttcagcctct	gtggcttctt	1140
caataaaatg	ttggctcccc	atgccttcaa	ctcttctttg	ggcatgagac	ccagtggttt	1200
gggaggatgg	ggaatgtggg	ggttggggat	gaacatgcaa	ttgccctgca	gggtgccctc	1260
ggaggtagca	gggccagccc	atgagaacaa	aaagctctgt	tctttttgtc	ccttgggcct	1320
gggcattggc	aagtccctaag	caccacacaa	gtggacaagc	atgccacca	agccccattg	1380
ggtacccaga	agtctcatat	gctaagtcct	ttcttttaggc	acccatctct	aggaggaagc	1440
aggaagcacc	ttattttcagg	taacttcatt	ttgagcatgg	caacagatcc	tatggtaagg	1500
gcctcccaag	aggttttcat	ttatccattt	ggggaggatg	aacagactga	ggcccagaga	1560
agggaaagcc	acatgcccaa	ggttcacaca	gcaagttaat	ggtgaagggt	ttatcagagc	1620
ccagggcaga	ctcagtggct	tcctatccag	ggctcttccc	acagctcgtc	accactgccc	1680
caaccacaag	ggcaccttta	tttacagaat	cctccccaac	cgtgagaggg	gtgcccagca	1740
gccactgca	ttctgggaag	tcaactgttc	ctagagacca	aataatcaag	gatggatgag	1800
cagagggagc	gggtactggc	agcaactccg	gccctaaggc	gaggggtcga	tactcccagc	1860
ctgagttgca	gggcctgccc	ttctgtctct	ccagcccctg	ctgcagagct	tctgtggagg	1920
gcctgcctcc	actcccactt	agttctggac	ctgcttcatg	ggcatctctt	cctcctgaag	1980
actggttggg	gcactctttc	tctccacgtc	ctggatggtc	tctggcagct	gtgcctgcct	2040
cgtctctggc	agcaggaggg	cgggtgccggc	agccagcagg	gcgatcccc	cataagtaag	2100
cttgggcagt	gacagccaca	ctccatccag	caaggccgcc	agtggggcca	aagagccccc	2160
cagccggccc	accagtgcag	tcagccccat	ccctgtctgt	ctgagcaccg	taggggtacaa	2220
ctctgaagtg	aacaggtagg	cagtgggtgaa	ggcagcttca	gaaaaagctt	tccccatcac	2280
tgccaggaca	gtgctccagg	acttcatatc	ggaggacact	agcagtctag	tgccgaacgc	2340

cagggccgtg cccagcagtg tcccggcttg cgtgaggcgg cgtcctgcg

2389

<210> 5131

<211> 611

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(569)

<223> similar to gi2887453 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5131

actggctgaa	aagttttaaa	ggtctaagg	agaatacaat	tatctgtgcc	agtcccaaag	60
agctgcaagg	agtaaagtgt	atcgatgcag	tgaagaacta	cagcatctgt	ggcaaaagta	120
ctacagagag	gtttgatctg	gccagggctc	tcccaaagcc	gacgtttaag	ccaagctcc	180
ccaggccgaa	gcatgagagc	aaacccccctt	tgcccccgac	ggtgggagcc	acagagccc	240
gccagagac	cgatgctgac	gccgagcaca	tctctttcca	taaaatcatc	gcgggcagcg	300
tggcgctttt	cctgtccgtg	ctcgtcatcc	tgctggttat	ctacgtgtca	tggaagcgg	360
accctgcbag	catgaagcag	ctgcagcagc	gctccctcat	gcgaaggcac	aggaaaaaga	420
aaagacagtc	cctaaagcaa	atgactccca	gcacccagga	attttatgta	gattataaac	480
ccaccaacac	ggagaccagc	gagatgctgc	tgaatgggac	gggaccctgc	acctataaca	540
aatcgggctc	cagggagtgt	gagatacctt	tatcaatgaa	tgtgtcaacc	tttctggcat	600
acgaccagcc	g					611

<210> 5132

<211> 1897

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (159)...(481)

<223> similar to gi3924594 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5132

cgtaacgcgt	cacgggcggc	ctggcagctg	gcggcattga	ggcggacgcg	tctagaggtc	60
cgtctgaccg	cggcgctcggg	acctggtttc	cgggcatgag	ctgagagcac	cacgccgagg	120
ccacgagtat	ttcatagaca	ttgatggaag	cagaaaccaa	aactcttccc	ctggagaatg	180
catccatcct	ttcagagggc	tctctgcagg	aaggacaccg	attatggatt	ggcaacctgg	240
accccaaaat	taccgaatac	cacctcctca	agctcctcca	gaagtttggc	aaggtaaagc	300

```

agtttgactt cctcttccac aagtcagggtg ctttggaggg acagcctcga ggctactgtt 360
ttgttaactt tgaaactaag caggaagcag agcaagccat ccagtgtctc aatggcaagt 420
tggccctgtc caagaagctg gtggtgcgat gggcacatgc tcaagtaaag agatatgatc 480
ataacaagaa tgataagatt cttccaatca gtctcgagcc atcctcaagc actgagccta 540
ctcagtctaa cctaagtgtc actgcaaaga taaaagccat tgaagcaaaa ctgaaaatga 600
tggcggaaaa tcctgatgca gagtatccag cagcgctgtt ttattcctac ttaagccac 660
cagataaaaa aaggactact ccatattcta gaacagcatg gaaatctcga agatgatggt 720
tgtgaattac tgtagcagca aaagcaaatt ggtctccaca cctaaaatcg tctgcctgtg 780
tactttgtag atgtgaatgg tactattcaa cggagcacaa tcacatgtta gcatttggtg 840
acataatgtt tttggatgtt cttatggatg tttcttccct aaactatgta tgggaattgag 900
catcatccag aataaatagc gttgtatccc aaatttgtat ttgaaccctg ggatgctcta 960
attggctggt tggtttggtt ttgtaactcc agaaacattc tatagtgttc cagagcaaaa 1020
ggcaaatata caaaatatta tttaaatcat gaaactaaaa atattaacat ctattaaaaa 1080
attgagcatt tttctacgct cgtgtgtctt ttacaacata aagaaaaagt aaaaggcagg 1140
gaggggaagt agagacagat tttaaatcat gttcagaact gttgttccag aatttactac 1200
ggcaatccct ccaactggac tgaaaaagag aaagttcttg gcaaaaagga gctgattctt 1260
tgaacaaatg ttgtagtaat ctgtttaaga attatgctta ttgtttcaaa atcccaacta 1320
ggaaaacatg gtgtatatct taaaattgtt cgtgttgaca aaactagaat caaatttaac 1380
atthttatacc acaacacaag ttctatthtg aaattgaact tttatttctat agcaaccatt 1440
thttttcaaat ctaaaataacc atgccttcta taataacaaa tgttgctatt atcatgggac 1500
thttaaaatt acattttattg catgggattg thttttatagc atgagaatgt tctgtttgga 1560
attatatcat ggtcagtcta aatagaaaaa gcaaaatttc tttgaaaacc taaacattgc 1620
tatattgggtc actatcaaac atacaatttt ctaataattg tgtagcggtc taagtggag 1680
agattgcatt atcttgtgca ggacgaggag aggacatgca gtgggcacag aaagtcaatg 1740
gaacagatgc cactgtggca ccaagactgt aatgactctg tgtggtaggt agttttaaag 1800
gactgcatgc cttggaaatg attcttcact tggagaacat acttgcctct agatatgttt 1860
gtcactctaa gcatcctgaa tataacaata gagaaag 1897

```

```

<210> 5133
<211> 2219
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (119)...(1132)
<223> similar to gi2894802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5133
gacagctacc tgcatgcca aaagttcaca ttttttgtct agaacacaag atattcatat 60
tttcagacag gtaaccagtc ggggagaggc acatttggtg ctgaatgcat ttcgaaggaa 120
gcatgattgt gcactagtca tatctgggga ctctctggag gtttgtctaa agtactacga 180
gcatgaattt gtggagctgg cctgccagtg ccctgccgtg gtttgctgcc gctgctcacc 240
caccagaag gcccgcatg tgacactgct gcagcagcac acagggagac gcacctgcgc 300
catcgggtgat ggaggaaatg atgtcagcat gattcaggca gcagactgtg ggattgggat 360
tgagggaag gagggtaaac aggcctcgct ggcggccgac ttctccatca cgcagttccg 420
gcacataggc aggtgtctca tgggtgcacgg gcggaacagc tacaagaggt cggcggcact 480
cggccagttc gtcatgcaca ggggccttat catctccacc atgcaggctg tgttttcttc 540
agtcttctac ttcgcatccg tccctttgta tcagggtctc ctcatggtgg ggtatgccac 600

```

catatacacc	atgttcccag	tgttcccctt	agtgtcggac	caggacgtga	agccagagat	660
ggcgatgctc	tacccggagc	tgtacaagga	cctcaccaag	ggaagatcct	tgtccttcaa	720
aaccttccctc	atctggggtt	taataagtat	ttaccaaggc	ggcatcctca	tgtatggggc	780
cctggtgctc	ttcgagtctg	agttcgtcca	cgtggtggcc	atctccttca	ccgactgat	840
cctgaccgag	ctgctgatgg	tggcgctgac	cgtcgcgacg	tggcactggc	tgatggtggt	900
ggccgatttc	ctcagcttag	gctgctacgt	gtcctcactc	gctttttctca	atgaatat	960
tggatataggc	aaagtgtctt	ttggagcttt	cttaaagtgt	gcctttatca	ccaccgtgac	1020
cttctgtgg	aaagtgtcgg	caatcaccg	ggtcagctgc	ctcccgtgt	atgtcctcaa	1080
ttacctgagg	cgcaagctct	ctcctcccag	ctactgcaag	ctggcctcct	aaggggctgt	1140
gcacccccag	cgggctggcc	ccagcacctt	ctgccccttc	cagcaccttg	tgcccttgcc	1200
agtgaacgca	gggtttgcc	ttgctatcaa	gcaatcacca	caagaaagg	agggtagccc	1260
aggcgagccc	agggcacaga	tgctgagaca	gcctctcctt	ctcagtgag	ggagctcacc	1320
cctgccaggc	aagcccagg	cacagatgcc	aggatggctt	ctccctctca	gtgcgaggct	1380
tcacccctgc	caggcaagcc	cagggcata	atgctgagac	agcctctccc	tctcagtgca	1440
gggacgtcac	ccctgccag	gcaagcccca	gggtcaacaa	gaggcgggac	ggccctctcc	1500
ctctcagtgt	gaggcttcac	ccatgcctag	gcaagcccca	gggcacagat	gcccgggatg	1560
gccccctccc	tctaagtgc	gggaacgtca	ccccctgcc	aggcaagccc	agggcacaga	1620
tgctgcgatg	gcctcttctt	cttaaagtgt	ggggcctccc	ccccggcttt	tctttctttt	1680
tttgtattgt	caaaattgta	tttcccatat	tgaagcagct	tgagtttcta	ctgaaaatga	1740
gcccgaatta	tttcaactatt	actgtaaagg	gttcattctta	ctctggcatt	ctgagaatta	1800
gactgaaagt	ttaatttctg	cagttccctc	atattcagat	tctttctttg	atgttataac	1860
acaaagtcat	tctactcaa	atgtaataaa	attgaggctc	cacggaggcc	cgtgtccaca	1920
tcagctgcag	ctcccgtca	gacagacggc	ctgcccaca	gectgcctt	tgctgaaat	1980
accctcgctt	tatacttgca	tttcgctttt	cagtaaaaaa	agtcaagtta	ctgattcttc	2040
acataaaagag	ctcttctcac	acaccctaaa	ggcaagttgc	gtaaacagtg	gcgtttccga	2100
acgcaattcc	attgcgggcca	ccaatgtaaa	tcattgcccc	gagactttgc	gcttagcacg	2160
cgtgtccttc	ccatcctttt	tctatttgca	aaatcacact	cgaacaccat	ttctatata	2219

```
<210> 5134
<211> 1644
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (740)...(1292)
<223> similar to gi3874826 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5134						
gtagccggcc	cgaaagtagc	gtggacctgc	gcggggcggc	cctggcgcac	ggccgccacc		60
tgtccagccg	ccgcaacgtc	ctgcacatcc	gcacgatccc	tggccacgag	ttcctgctgc		120
agtcggacca	cgagacagag	ctgcgagcct	ggcaccgcgc	gctgcggact	gtcatcgagc		180
ggctggatcg	ggagaacccc	ctggagctgc	gtctgtcggg	ctctggacce	gcggagctga		240
gcgccgggga	ggacgaagaa	gaggagtccg	agctggtgtc	caagccgctg	ctgcgcctca		300
gcagccgccg	gagctccatt	cggggggccc	aaggcaccga	gcagaaccgc	gtgcgcaaca		360
aactaaagcg	gctcatcgcg	aagagaccgc	ccttacaaag	cctgcaggag	cggggtctgc		420
tccgaggtga	gggggctggg	ccaggttcat	ggataagaaa	actccagcga	ggctcacagt		480
agagcttccc	agaactagac	cacaaccttc	tgtgactgct	gctttcccac	taccccagat		540
tgtttagggg	agaagctggg	gtgacctgta	cccctttgcc	gaattgtttg	aaqcaqqqga		600

```

agggaggtgg agtgtatttc cttgccaggg cctggcacag gcagccagga ggaccagcct 660
cacttaagga taaagaccta tgctgagaag agctcctgtg agtgacgctg gcactggcctt 720
cccgcctcac tctacttccc cagaccaggt gttcggctgc cagttggaat cactctgcc 780
gcgggaagga gacacgggtg ccagcttttt gcggctctgc attgctgctg tggataaaag 840
aggtctagat gtggatggca tttatcgggt gagcgggaac ttggcagtgg tccagaagct 900
tcgctttctg gtggacagag agcgtgcggt cacctccgat gggaggtatg tgttcccaga 960
acagccagga caagaaggtc ggttagatgt ggacagtact gagggggatg acattcatgt 1020
ggtcaccgga gccctgaagc tttttctccg ggagctgccc cagcctctgg tgccaccact 1080
gctgctgccc catttccgtg ctgcccttgc actctccgaa tcagagcagt gcctctctca 1140
gatacaagaa ttaataggct caatgccaaa gcccaacat gacactctac ggtacctct 1200
ggagcattta tgcagggtga tagcacactc agataagaat cgcatgacac cccacaacct 1260
gggaattgtg tttggaccaa ccctgtttcg gccagagcag gagacatctg acccagcagc 1320
ccatgctctc taccagggc agctgggtcca gctgatgctc accaacttca ccagcctctt 1380
ccccgatgc aggggaaggaa gaagagaaaa catatttccg gtcactctctg gtggtgagag 1440
gctggtgttc tgttttgagg atatcccttt aaatctccca aatgactgtc tctatcttca 1500
tgagtgtgac ttgaggtgtt gggatgggtg agggagcttc tctaaagagg aaagtgagt 1560
gattaacccc tgcttctctt cttgttccct gttatcattc ctcccccaaca taataatata 1620
taaagtggca tggtaaaaaa aaaa 1644

```

```

<210> 5135
<211> 3137
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(1177)
<223> similar to gi5911890 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5135
gtggcagcca gatatcgggc catacggagg actgctgaac gtggtggtgg acggcctgtt 60
catcatcggg tggatgtacc tgccctccca tgacccccac gtcgatgacc ctatgagatt 120
caagcctctg ttcaggatcc acctgatgga gaggaaggct gccacagtgg agtgcattga 180
cggccacaaa gggccccacc acggccacat ccagattgtg aagaaggatg agttctccac 240
caagtgaac cagacggacc accacaggat gtccggcggg aggcaggagg agtttcggac 300
gtggctgagg gaggaatggg ggcgcacgct ggaggacatc ttccacgagc acatgcagga 360
gctcatcctg atgaagttca tctacaccag tcagtacgac aactgcctga cctaccgccg 420
catctacctg ccgcccagcc gcccgcagca cctcatcaag cctggcctct tcaaaggtag 480
ctatggcagc cagggcctgg agattgtgat gctcagcttc cagggccggc gtgccagggg 540
caccaagatc acgggcgacc ccaacatccc cgctgggcag cagacagtgg agatcgacct 600
gaggcatcgg atccagctgc ccgacctga gaaccagcgc aacttcaatg agctctcccg 660
catcgctcctg gaggtgcgcg agaggggtgc ccaggagcag caggaaggcg ggcacgaggc 720
gggcgagggg cgtggccggc agggcccccg ggagtcccag ccaagccctg cccagcccag 780
ggcagaggcg cccagcaagg gccagatgg gacacctggt gaggatggtg gcgagcctgg 840
ggatgccgta gctgcggccg agcagcctgc ccagtgtggg caggggcagc cgttcgtgct 900
gcccgtgggc gtgagctcca ggaatgagga ctacccccga acctgcagga tgtgttttta 960
tgccacaggg ctcctcggcg gccacggctt caccagccct gaacgcaccc ccgggggtctt 1020
catcctcttc gatgaggacc gcttcgggtt cgtctggctg gagctgaaat ccttcagcct 1080
gtacagccgg gtccaggcca ccttccggaa cgcagatgcg ccgtccccac aggccttcga 1140

```

tgagatgctc	aagaacattc	agtccctcac	ctcctgaccg	gccacatcct	tgccgccaca	1200
tcccgggtgg	ctctggggct	ctgaactctg	acctgtgaat	agaagcagca	tgcacttttg	1260
aaatccggcc	ttttgaccag	aacgcacacc	tcgtcggggg	gcccagtcca	gccaccccc	1320
agcactttat	gtagagaggg	tgacatagac	ctgcataattt	gtcagtgccca	tgatggaaga	1380
agctgagcat	gtcttaccac	aaacagagag	aacgagcctg	gatacagcag	atgtagggga	1440
cagccgtggg	accgcgtgag	aattgaagcg	gtgggggtcc	cgcacccctg	gctggctggt	1500
ggttttctcg	ggaagcagga	ccctcctgac	tgggtgctctt	cctgtgagcg	gatagagtga	1560
tagactgggt	cgtgtgtgag	acgcatgtgc	tccacccccac	tcctttttggg	ggaagccagg	1620
caacagtggc	ctctgggagg	gggtcaggaa	gaggcgaaca	gctcaggcag	cgaggtgtg	1680
atgggacacg	tacgcaaagc	aagctcggga	agttggtagg	atctcaggct	tggggccggg	1740
actctggagt	gaatcccat	ttctctaccg	gcttgcttgg	agtttgga	gaagcatttc	1800
acctctgac	tcagcttccc	cacctgtgga	gtgggtttag	tgacctgagt	cactaggga	1860
tgtcacctga	atgcacgcc	cagcccatgc	acctgcccc	gccccctcag	ctttggagcc	1920
aaggccatcg	ttccagccac	ttgactgtcc	tcgacggcct	gttccagaca	gggcgtttgt	1980
tttgtccatg	ccttctctcc	tgcacgcaca	cggcgtcaaa	accaagctgc	cggccactgt	2040
ctccagaacg	caaggtcca	ggcccggtgtg	tctgaagcag	tgagtgggtcc	acacaggtgc	2100
caggagtgcc	catatgagat	gacgaggaaa	cccctttgca	ggtgagggga	cagctttcta	2160
gaaaagccac	acctgcatct	ggggacacac	tttgaaaagt	gggacctcc	agcctggaga	2220
ccccatggac	tgatgcctcc	actgctgtgt	gccccatgtt	gtgttaacac	ctgcgtgtgg	2280
ggaccccatc	tgaggtcttg	gctgaggttg	gcatctcctg	aagaacagag	agcacggtgt	2340
ccagagctgg	cccttcccc	agcccacagc	cagctccgtg	cccagtgagg	cgtccccagc	2400
gagccttccc	tctctgccgc	ttgtccttgt	gtctgggctg	ctccaagtcc	ttgtgctggg	2460
caccttgga	acgtcctgct	ggtgagggac	ctcggaagg	tgacagtctg	tgtgccttgg	2520
tgtggagacc	aacctgagga	tgtcctggga	aatgttttcc	tgatgaattt	ctccttgact	2580
ggcctttaaa	gaacataaga	attcccattg	cccagcctca	gtgcatttgg	caaatgctta	2640
ctttgcttcc	cagagtcaga	gaattggcaa	aggttcctaa	atggtaatct	ggccggcctg	2700
ggagaaagac	tcacgagaaa	agccagtggg	gaaaagcgcc	ttccagggcg	gcagcagcgg	2760
gagccacgca	gaccccgagg	cgcacctgct	ggctcttgtg	tgtggcccca	gtttctagcg	2820
gcttttgcag	cattagccta	caagctttgt	cactccctgc	cctctgtggt	ggtcactgtt	2880
tttctctctt	gccaaatgag	gcagtctctg	agtgcggtg	actgtggcct	tgaagcctgg	2940
aggactgttg	ggcatgtaga	ctggcacctt	gaagattcac	cattgtttaa	ataaaatcaa	3000
gcaaatgctt	ttttaccaag	agcccagacc	tcgctctaag	ggacgcagtc	ctagaggcgt	3060
gccctttggg	gcttgaagag	cacactgtgg	gacgcacgtg	cttctgatta	aaggaatctc	3120
agatctcaaa	aaaaaaa					3137

<210> 5136
 <211> 5330
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(2185)
 <223> similar to gi3327078 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5136					
cgccgcgggg	accgggcagg	gctccccgtc	ggagtgcact	gcgccggaca	cttcaagccc	60
tggagggaca	ggaaagccag	aaatggactt	cgtgagactc	gctcgactgt	tcgccagggc	120
ccgccccatg	ggactgttca	tcctgcaaca	cctggacccc	tgtagagcca	ggtgggcagg	180

aggcagggag	gggctgatgc	ggccaatgtg	ggcgcccttc	agcagctcct	cctctcagct	240
gcccctcggc	caggagcgtc	aggaaaacac	gggcagcctg	ggctctgacc	cgagccactc	300
caactccacg	gccacgcagg	aagaagacga	ggaggaggag	gagagttttg	ggaccctctc	360
tgacaaatac	tctctccgga	gactattccg	caaatccgca	gcccagttcc	ataacctgcg	420
gtttggggaa	cggagagatg	agcaaatgga	accggagccc	aaattatggc	gaggccggag	480
aaacaccccc	tactggtact	tcttgacgtg	caaacacctg	atcaaggaag	ggaagctggt	540
tgaagccctg	gacctgtttg	agaggcagat	gctgaaggag	gagcgattgc	agcccatgga	600
gagcaactac	acggtgctga	ttgggggctg	cgggcggggt	ggctacctga	agaaggcctt	660
caacctctac	aaccagatga	aaaagcggga	cctggagccc	tcggacgcca	cctacacggc	720
cctgttcaac	gtctgtgccc	agtccccctg	gaaggactca	gctctacaga	gcgccctgaa	780
gctccggcag	cagctgcagg	ccaaaaactt	cgagctcaac	ttgaaaacat	accacgcgct	840
gctgaagatg	gctgccaagt	gcgcagacct	taggatgtgc	ctcgatgtgt	tcaaggaaat	900
catccacaaa	gggcacgtgg	tcacagagga	gaccttcagt	ttcctgctca	tgggctgcat	960
ccaagacaag	aagacaggct	tccggtacgc	cctccagggtg	tggcggtga	tgctgagtct	1020
agggtctacag	ccgagccggg	acagctacaa	cctgctgttg	gtggcagctc	gggactgtgg	1080
cctaggggac	ccccagggtg	cctcagagct	gcttctgaag	cccagggagg	aggcgactgt	1140
gcttcagccc	ccagtgaagc	ggcagcggcc	aaggaggaca	gcccaggcca	aggcaggcaa	1200
cctcatgtca	gccatgctgc	atgtggaggc	cctggagagg	cagctgtttc	tggaaaccttc	1260
tcaggcactt	gggcctccag	agcctccgga	agccagagtg	cccggcaagg	cccaaccaga	1320
ggtggatact	aaggcagagc	ccagccacac	agcagccctc	accgcagtgg	ccctgaagcc	1380
acctcccgtg	gagctggaag	tcaacctcct	gacccccggg	gccgttcccc	ctacagtggg	1440
ctcctttgga	acggtgacca	ccccagctga	ccggctggcc	ttgatagggg	gcctggaggg	1500
cttcctgagc	aagatggcag	agcacaggca	gcagcccagc	atcaggaccc	tcacgctact	1560
ggccgaggtg	gtggagtccg	ggagtcctgc	agagtccttg	ctgctggccc	tcctggatga	1620
gcaccaggta	gaggccgacc	tgacattcct	taacacgctg	gtgagaaaga	agagcaagct	1680
gggagacctg	gagggggcca	aggcgctgtt	gccggtcctg	gcaaagaggg	gcctcgtccc	1740
caacctgcag	acattctgca	acctggccat	cgggtgccac	aggccgaagg	acggtctaca	1800
gcttctcaca	gacatgaaga	agtcccagggt	gacccccaac	actcacatct	acagtgcctt	1860
catcaacgcg	gccatcagga	agctgaacta	cacctatctc	atcagcatct	tgaaggacat	1920
gaagcagaac	aggggtccgg	tgaacgaagt	ggtcatccgc	cagctggagt	ttgcagccca	1980
gtaccctccc	acctttgacc	ggtaccaagg	gaagaacacc	tacctggaga	agattgacgg	2040
cttccgagcc	tattacaagc	agtggctgac	agtgtgctcc	gcagaggaaa	ccccgcaccc	2100
ctggcagaag	ttccggacca	agccccaggg	ggaccaggac	accggcaagg	aggctgatga	2160
cggatgtgcc	cttgggggca	ggtgatggga	gcacagctgg	aacaatgtgc	tcggccccca	2220
gtgctctgtg	ggagccccag	gacaagtga	ctggtgtcac	ctcctgcctg	ggggaagagc	2280
caggccctga	ggaacagccg	cagcgtgtca	cagggtgttg	tgaggacaca	cactaggccc	2340
aagggtgcctg	tgctcccagc	aggtccaagt	gcagctccag	ccacctttgc	gtgtcacctt	2400
cacgggactt	ccagctccag	ctacctttgt	gtgtcacctc	acacaccaca	agggggctgg	2460
ggcatctggt	ccctggggcc	tgggcccggc	cgccgggttc	cataggccga	tgctctgaaa	2520
gaagagacgt	ggggctcgag	agatttaaag	attttatatt	tacaaatcac	agctgataga	2580
cagcgaagcc	ttccccatag	agaccgtgct	ccaactcggt	cctggggcac	tgctcgctgc	2640
tcccaggaag	ggggtggcgt	gacaggcagg	aacctgcgaa	gtccagagtc	cagggtggag	2700
cgcgccagcc	tcagccagag	cagccacgac	agccacagtg	tgtgcactcg	atgatgcggc	2760
cctgcaacgg	aggaggacag	tgagacgatg	ccactgcgcc	acgctcgccc	ctgcacactc	2820
acatatgtgg	caacctccc	acgaaggacc	tgccaccatg	ccatataggg	acacacctca	2880
gaaaccttct	cttgacagct	ctggacaggg	aaaatttggc	tcctcatga	aggtagaacc	2940
agctgctggt	gacaccgagg	ttacatctgt	atgtctattt	ataatatggt	ctgcaaatcc	3000
aacacacgtt	tgccaatcaa	gaaaaaaaaa	tcggtgtgaa	tgagtctcgt	tattctgcta	3060
agtgagcatg	acagacctg	cgatggcag	acgtgaactc	gctactgttt	ggggacttca	3120
ggggggcctc	tgggctggta	cactctgggt	ggggaagagg	gcaggagact	atgcacttga	3180
gtcacacctt	tctggcccag	agccccccag	aaagaagggt	cttgtcccc	aggcctggtg	3240
cggccaaca	cttggccagc	cagaaagccc	tagaacagtg	gcttgtgttt	attttacttt	3300
ttcaagttct	ttttttggaa	gaacaagacc	atagtttaag	taaacaggat	cctctggtga	3360
aaccaggtta	agtctacagc	gggctgtttt	ggccacaggg	ctgaagcagc	acccagccc	3420
accagccctt	gacctggact	ccttgtggaa	tctgggcaact	cagagggaag	gggcttctgc	3480
cactctgcca	cctgtccctg	cctccatcag	aaaaccaaca	ccccagtctt	ccgtcgggga	3540
ggcgccctt	gctcgccccc	actgctcagt	acccaagtcc	tcagcatcca	gccacagctc	3600

tccattgtca	gtctcactgc	agcataaagg	ggactcatgt	gaagaggccc	ctgtgtggag	3660
ctggggaaaa	gaaggccagg	ctggcagatg	ggcgggtggg	ccaacaactg	tgctgagggg	3720
ctgcactgag	cggccactgc	tgtgactctg	cctcgggcca	cagctgcctt	tcagaggggc	3780
ttggaaccgg	atggagctca	gtcctgtgcc	ctcagcacca	ctcctgaggc	gcctggccta	3840
ggagtgggtac	ttggaacaga	aagttctgaa	agaagaaaca	cagtgggctg	ggcgtagtag	3900
ctcatgcctg	taatcccggc	actttgggag	gctgaggcgg	gtggatcacc	tgaggtcggg	3960
agttcgagac	cagcctgagc	aacattgaga	aaccccgtct	ctactaaaaa	tacaaaatta	4020
gccaggcgtg	gtggtgcatg	cctgtagtcc	cagctactca	ggaggatgag	gcaggagaac	4080
cgcttgaacc	cgggaggtgg	aggttgacgt	gagccaagat	ggcatcactg	cactccagcc	4140
tgggcgacaa	agcaagactc	cgtcttgggg	gggcgggaaa	gatagtgatg	gtaatgttaa	4200
agtatcactg	tgaggactga	aaggacaggg	aactcactgg	ttgtccttcc	ctgatgtcac	4260
cctgccacca	ccttgggatt	agggctcccc	accaccattt	cctaagttag	gaaaggggtt	4320
cagtaatttg	cccaaaagtg	gagttgagat	tgaccccaga	cctaacaac	acacagccac	4380
acgctgcctc	acatggattc	ctgaatacag	ggacccactc	ccacgaggga	gagccagcag	4440
gacatccagg	gacaaaacga	cattccagcc	caaccaaata	acataagatc	ccttgagtc	4500
gactaaggca	gaattttgag	ctgaaaacaa	caccaagctt	gagtgtcaga	cattaccact	4560
tccagcttgc	ttttgggcac	gcggcagatg	cagttcgtcc	cgaagttggg	gtcccgtgtc	4620
tgaatgcacc	gcaggcagca	caagttctca	tatccttget	ttttccattt	tgcaatcagg	4680
tttttgtctg	catagccttc	tttaatacaa	tattcataga	gttctctgct	gatggctttc	4740
cgcttgtaaa	agaggtgcga	agatgtagcc	ggggttttct	gggtgggtgg	atccctgaaa	4800
gatgggccac	agagattcca	ctttccttct	tcctttcatg	cggttctgtt	tcagcttctc	4860
tcatcttttg	atctaattca	tccagtgttg	gctcaatcaa	ctccccagcc	catctggggg	4920
tggctttccg	gcttcttttg	actttaggca	ttctccttcc	acagataatc	tgcaaagatc	4980
ttaggatgtg	ctttccaaga	gtatagacag	cagaaagatc	tctcgtctct	gcagttgcag	5040
ttgcaggctt	ggattcttgt	tcagctctaa	aaaaattatt	cagtgcactt	caggtcacct	5100
tccctctctg	gttctgtttc	ttcagaggaa	acggcgcgag	aatcctagag	gaaaaacccc	5160
caaatctacc	gtccccctcag	aagaacgaac	gtgcgcgcgc	tcctctcggg	agctctctcc	5220
ggcctcaagg	tccaaagccc	gaacacatcc	cagtggctgg	ctgagagtcc	agccactcat	5280
atctccctcc	aggacgggtgc	agaccaccgg	tctcccgcct	cagggaattc		5330

<210> 5137

<211> 720

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (527)...(215)

<223> similar to gi2477514 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5137

tttttcccaa	agggattaaa	ttggggaccc	cccgggtttt	ccccccccc	ccgtttttaa	60
aaccgggccc	cgggaatttaa	ttttggggcc	ccaaaaaaaa	aatttttacct	tccccacccc	120
cgggaataaa	aattggtccc	ctaaaaaggc	cccccccttt	tttttttttt	ggagctgggg	180
gatgtttact	ggtgtggggg	gacctgggaa	catcactgtc	gttcgtacat	ctctcgtagg	240
atcttcatgc	tttctgagta	acgaagctgg	ttccgatgag	aggcctcctt	ccacctctgg	300
cggatgcgtt	tccagcgctg	catgtttcga	tagatgagtg	tggagggtga	gggctcgggc	360
tcagagggct	catcgtcagg	ggtgccctgc	atctcaggct	gcagtggaga	tgggatgcgg	420
gatctgcagg	catctccggg	tggccccggg	ggtgtgggtg	gcggcagctt	gtacacatca	480

cgactcttgc	tgttgggttac	ctctgagccc	tggggacaca	agggcccat	gccaggccca	540
agagagtcaa	agcagagggg	ctgggaatcc	acattcatcc	ctcctgcctt	tcccagcaac	600
aaatggcatg	aggggctcgc	taagggactc	agacaggagg	catgtatgaa	gggcagacac	660
ctcaaccagc	cagcgggtca	agtgtgcctg	ccccagggac	ccctgtcttc	tcctatccag	720

<210> 5138

<211> 1034

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(583)

<223> similar to gi6002805 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5138

gaagtgcggg	gaattcgcag	gggctctcat	tgctgacttc	ttgtctggcc	tggtacactg	60
gggtgctgac	acatggggct	ctgtggagct	gcccattgtg	gggaaggctt	tcatccgacc	120
cttccgggag	caccacattg	acccgacagc	tatcacacgg	cacgacttca	tcgagaccaa	180
cggggacaac	tgcctggtga	cactgctgcc	gctgctaaac	atggcctaca	agttccgcac	240
ccacagccct	gaagccctgg	agcagctata	cccctgggag	tgcttcgtct	tctgcctgat	300
catcttcggc	accttcacca	accagatcca	caagtggctc	cacacgtact	ttgggctgcc	360
acgctgggtc	accctcctgc	aggactggca	tgatcatcct	ccacgtaaac	accatcgcat	420
ccaccacgtc	tcacccacag	agacctactt	ctgcatcacc	acaggctggc	tcaactaccc	480
tctggagaag	ataggcttct	ggcgacgcct	ggaggacctc	atccagggcc	tgacgggcga	540
gaagcctcgg	gcagatgaca	tgaaatgggc	ccagaagatc	aaataacttc	tccgagcctg	600
ctacctgggt	gccaaccttc	cctagccccc	aaaccgaagc	catctgccaa	attccagcct	660
ctttgagctg	gcccctccag	atggagagga	catctcctgg	gctgggcccc	ggtaccccag	720
cccacccctc	atgacacaga	atacttgagc	cactgatatt	tcatttcctt	tttttttttt	780
tcttgggccc	ttcttaaccc	cctgggggtg	tttttttgga	aacctggatt	ttgccaccct	840
ccctgggaaa	aaggggggtt	aaccatttcc	ttgacctctg	gcggcccttg	ccccgtgggg	900
aaccctttaa	gggggggttg	ctttgggccc	aaaaattgcc	ctttttcctt	ctttgttggc	960
ccccaggggt	tgggggagcc	cccaggcccc	cttaaggggtg	ggggagcttt	gttttgccac	1020
acccttgctt	atgc					1034

<210> 5139

<211> 997

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (985)...(582)

<223> similar to gi4062856 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5139
cgttctctcc tgcaggga aa gctcacaact cctcacagcg atctggtatc ttgagcgtca 60
gtttctggcc gaaactgggg gctcctgact gaactccctc ccacctagaa aaccttctgt 120
gcagtctgat tgctccaaca cccacagagc aggattcagg tatcccggag accttggggag 180
gtcccatcc agaggtctgc tgcctgcca ggcttggggc agcagggact gggacccac 240
tcagacctct ctggggcaaa tgttttggtt ctcacaacag ccctagttaa atcaatccta 300
gatactcca tttggtcca ccaaggccat ttaatttctc tgtaaagggt aagatgacac 360
aaaagagcca actatggaaa cggtagggtg ggagtctgaa ccgatttagc tgttctcagg 420
gcgcacaggg tggtgacggt ggttttcatc tgccacctgc ctcttgaga cccagctggc 480
ctgagtgtgc acgaaatggg accttctcct tgggtccacc aggctgggag gcaccctag 540
gtaccgggt cctcatcaca gcggcagccc tctcggttcc acatctggtt ctctgacga 600
agccgctggt tttcggtccg gagcctctgg acctcggcag ccagctcctc cacctggcgg 660
caggactgct ggccggtgca cgcctgcagc tgctgcagcc tctagtctc ctctccgcc 720
tgccacagcc gcttctccag ctccaggtag tctcgcacca gctcctgctt gctgcggccc 780
tgccagctct cgggtgtgaa gcgttcgtaa gtctcagaga agtcttccg ctggaactca 840
ccgtgcgctc ggccccgcc atcactgtcc ccggcctcac tctccccact ggaacctggg 900
tgggagatcc catggggcac atccaagttg ggctcctccg ggtccctgtc attcatcagg 960
aactgggtgg tggtgtaggg aattccacca cactgga 997

```

```

<210> 5140
<211> 2742
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1005)
<223> similar to gil928886 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5140
taaaatatag tggcgtgcat ttttaattctc agtccatagc tcctaccata gaacagattg 60
accagtcttt tggcgcaacc catcctggag tgtacaactc cgctgagcag ctcttccatc 120
tcaacttcag aggactgtct ttctcttttc agttagactc atggactgag gctccaaagt 180
atgagcccaa ttttgcccat ggccctggctt ctctccagat accccatgga gcaactgtaa 240
aacgaatgta catctacagt ggcaacagcc tgcaggatac caaggctccc atgatgcctc 300
tgagctgttt cctgggcaat gtctatgctg agagtgtaga tgttcttcga gatggaactg 360
gacctgcagg tttagcactt cgcctacttg ctgcagggtg tggacctggc ctattagcag 420
atgccaaagt gcgggtatct gaacggttcag tgtattttgg tgattcctgc caagatgttc 480
ttagcatgct tggctctcca cacaagtctt tctataaatc agaagacaag atgaaaattc 540
attctccttc cctcataaaa caagttccat cgaagtgtaa tgactacttt ttttaactact 600
tactcttggt agtggacatc ctctttgatg cgaatacaca caaagtgaag aagtttggtc 660
tacacaccaa ttaccctggg cattataatt tcaacattta tcatcgctgt gagttcaaga 720
tcccactagc cataaagaaa gaaaacgcag atggtcagac agaaacatgc acgacctaca 780
gcaagtggga caacatccag gagctcctgg gccaccctgt ggagaagcct gttgtcctgc 840
acaggtcttc ctccccaaac aacaccaacc catttggttc cacattctgc tttggtcttc 900

```

```

agcgaatgat ctttgaggtc atgcagaaca accacattgc ctcggtgacc ctgtatggcc 960
ccccaggcc tggtagccac ctgagaacag cggaactccc ctagggacac caccacccat 1020
gccctctgt cccgtggaac tgtgcatcac atcctgctca gtgggcctct gtaccaccct 1080
gtgggttttc ttggacacct ggccagtgtc gaagggctgt tgtgatgttc tgaggttggg 1140
ctcaggctgg gtgctctgcc atgggctgag tggcccagat attcttctgt ccatctttgg 1200
cctgctggtg ccagcagggg acacagactg caaagagaag cacaaagttt gagccttgat 1260
tcctggaccc aggagctctc aactaacaag gaggcaggag aggtcaaccc ttgtcccatg 1320
cacattggga agacttgggg ctctttctgt gactgaggac acaggcaccc aggataagga 1380
caaggtcctg cctttggctc cacattgcca catgaccctt aaggcaagca ggtagcgtgt 1440
ccatagtact tggttgcgac atttgacta catccacttt agttacttga tgagctggct 1500
gtggccaggg tggccacct gcccttccct gttcctttct tgacgcgct ccctgcctgg 1560
gcacacaaaa ttggttgaag cacagctttc taccatccag gtacatgccc aggcctggtt 1620
ctcacccctg ttggagttag ctttcaagat tgctgtgcc cctgctctgc cccatcctgg 1680
ctggcagggc tgcattgttc catcctgttt cagcattctg ttctgcactg tgggctggct 1740
caaagacatc ttctactttt tgttgtgttt gctgggccaat ttcatggctc aaagcctctg 1800
ctctgccccca accctgggca ctggccctg gctgggccaat ttcatggctc aaagcctctg 1860
ggggctcaag gaaggctggg ctgctcagtc ccttcatggg tcttgctaag ggaaagtagc 1920
atatatgtgc tttaaaaata ttaatccttt tgaaaagaac tgagaagaaa aatgtataat 1980
tttatcccat ttttaatat ttggtctagc aacttgtgat acatagatga caattttgtg 2040
agtttttcaa atgtgtgtac agatttttgt aaatatgact cttttgtaat taactcatgt 2100
acagcctcat cctgtatagt ttaatgatga atgtgcaggg gacctgtctc aggcctctat 2160
atggttcctg ggccttatag ccaggtttgt gtggcgctcc cgacttttgt gactgactgg 2220
tgtcttccca tttggactgt ggcctggcca gagccccttg catatcccca ctgtcagggg 2280
cagccaggac tgttcccatc ctccctggaat gggggaacct tccttatccc ctgcccacat 2340
cccctctcca ataaagcacc tgtgccctca gcaatggcct gccatgtgct gttgctggga 2400
tgtttgattt aaggtaagtg tgggtattgg ttttgcccg gggtcccgcg cgccaggaac 2460
tccaggagat ttccacggt cacgaacaca tctgcgtgc ccttaaaaac gaagcgcacg 2520
tcggggcaga aagctgaggc ccaggctaga aagtggatct ccttgagcgt taggttaaaa 2580
aagggtgtgt cgaaggccca gagcaggatg tccgcatacg caaggctctc ggcccgcacg 2640
agggcgcgcc agtggttctg cgcgcctcc ccaacttctg cggcctcggg gatgtagtac 2700
ttgatagccc gcgtgcggat gggccgcgca tgcacaatta cg 2742

```

```

<210> 5141
<211> 2867
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (2868)...(847)
<223> similar to gi556299 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5141
tttttttttt ttaaaaatat tcagaaccaa gttttatatt gtagtcgtta cacaggaggg 60
ggcagtcaga agagtacagc tcacccccag cagtggaggg gttaaattctc agggacaacg 120
tggggcagtg gggacagcac ctccgacct atggggtgta ctttcaagta gcaaggctga 180
caatgatgtc tagaaaggtc tccacttctg cctgagtttt gccaaaccca gtggtctata 240
gggatgtggc aaaagaatga cctaccgcag tgtgattatc agtgtttttt aaaataaaga 300
gcacagtttt gccttttaaaa taattcacat caacggtatt tgggagaaca tggagctggc 360

```

ataacattgg	cgtagaaagc	agggccaggc	ccaccacagg	ggccctcgtg	tggggacggg	420
tgcctgagcc	cctgagcccc	tcgagcctct	ggccacggct	ggctgcctgt	gtgctgttgt	480
ctcgtctgtc	ccaccccgag	aagggagttg	aacaatgtga	gttgtctgtg	gcattggaaa	540
gtgcagtggg	tacatgggtg	tgtgcgaagt	ggtagctgtg	gccttcaggc	ggtgcgtcta	600
gcagggtgga	tggggggccag	ggctgctcct	ggctttttgt	gggcagggtg	tgccctccag	660
ggacccccgag	tgcttgacac	cgctcgggtg	cagtggctgg	cagggtctaag	tgctgctgct	720
ggatgcaaat	tccttttgta	gacttttttt	tttttaagaa	aaaaataaaa	ccaatttttg	780
ggttggcacc	tgaggttaata	agttaagaat	aagcaccaaa	atggcccttc	ctggcacgcg	840
ccggctcaca	ggttcttcat	gcacacctgg	cagcggtgga	tgtgtgtgcg	gatgaggccg	900
gccttgagcg	tgtcggcgga	ggcgagcccc	tggaaagctct	gctcgggaat	ggtggtcagc	960
cagaagctgt	acttggttgg	gtagtagtgg	cagggtccgc	ggcctccatt	gcattcgatg	1020
aatggtgtgg	cgcggaagtc	ctctagacag	ctgcccgggtg	acaccagtga	ttggccaccg	1080
ccttcgtctc	ccgccgcccgt	gtgcatgagg	aaggaatatc	cgatccacaa	actccgccac	1140
ccagctgggg	agtgtgggat	ggagacatcc	tgactgtgga	ccgcgatggc	gatggccggg	1200
gcctcacaca	cagaacagcg	gctgatgtag	ggcttgatct	cgtcctcggc	cacgggcac	1260
atgggcagcg	gcgcagtggg	agagagccag	taggacttgt	cggtccggct	ggcatagtag	1320
cagacatcac	cagggttgca	gtacaggaag	ggcatggtgc	tgaaccgcgc	caggcaggag	1380
cccgcagcc	ccaggtcctg	gttgtgcgcc	ttctcctggc	cctcgaagta	cagcaggctg	1440
tatccactcc	agagtttgtt	catgccacc	gggcacatgg	gctcctggtc	cgtctggctg	1500
tgcttcacca	ggaggtagcc	gatgctgacg	ctgcggcctg	gcatacccg	caggcccggg	1560
ctccctggac	ggcctgggtg	accttcttgg	ccaatcggcc	cctggtggcc	tatgggtcct	1620
tcatctcccc	ggaagccggg	aacagcagac	acaccacctc	ttccttgggg	cccagctttc	1680
cctggagccc	cacgaaaacc	tggttctccg	ggggggccct	ggggcccat	ctcccccggt	1740
gccccagggg	ggcctcgcct	cccctggggg	cccactgtcc	ctggttggac	ggcaatcttc	1800
tgggggattc	ctgcaatccc	gggggctccc	acagtcccgg	gggcaccagg	gaatcctggg	1860
tctcccttgg	gtcccttggg	gcctctgtcg	cccaccgccc	cggtgggtcc	agtgttcccc	1920
atgaagcctt	gttcacccct	gggccctttt	tctcctggga	gaccaaacac	accaggcctg	1980
ccctggggcc	cggagtcccc	ggcccatcct	ttggtccctg	gggttcctgg	agctcctggg	2040
ttccctgtgt	cacctttgct	tccaggaaga	gcagcagaac	ctggtggccc	tgggtggccc	2100
cgataacctt	tcaggccaaa	tatccctggc	gcccctttgt	caccagggtg	cccagagatg	2160
ttggaagggg	gtgtgatgcc	tgggaacccc	tgaagtccctg	ggctcccagg	tgggcctcgt	2220
tccctggag	ctccttggtc	tcttttctgt	cctgggactc	ccacaggggc	tggaagggtg	2280
ttggcctctc	ctgggtcacc	tctttcccca	ggagggcctg	ggaagcctgg	gtctccgtgg	2340
atgtcagaac	ctggggatcc	tggaaagccc	ttggtgcctg	gcaagccgtg	taagccgcgg	2400
atcccacgga	gtcccggaac	acctggtaag	cccggagctc	ccggccagcc	atcatctcct	2460
ttgccaccag	gcagtccaat	ccgccccagc	tctccctgcg	accctggagg	cccagtcagc	2520
cctggaaagc	ctgtttgtcc	tttaagtcca	ggagggcctt	ggactccagt	cacgcctgtt	2580
atcccaggga	agccgatgtc	accttctgtt	cccttctctc	caaagaatcc	cttcagacct	2640
ggtattccag	tgggtgcccc	ctcccccttc	aggcctggtc	ttcctggtaa	atttatagtg	2700
tccccgatgt	caccgaaatc	accagtgcgc	ccaatctcgc	catacaggcc	tgctctccct	2760
ggggcacctt	tgtcaccccc	gcttcctatg	aatcctggga	atcccgtaat	tccagggggg	2820
ccagccaccc	cagggaatcc	tggcaaaccc	gggatgccgg	ggaggcc		2867

<210> 5142

<211> 3005

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (5)...(1096)

<223> similar to gi2827495 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5142

gtccatcttc	caccgcggcc	acgagcgctt	ccgcattgcc	agcgccctgcc	tggacgagct	60
gagctgcgag	ttcctgctgg	ctggggccgg	aggggccggg	gcggggggccg	cgccccgacc	120
gcattctccc	ccacgggggt	cggtgcctgg	ggatcctgtc	cgcatccact	gcaacatcac	180
ggagtcatac	cctgctgtgc	cccccatctg	gtcgggtggag	tctgatgacc	ctaacttggc	240
tgctgtcttg	gagaggctgg	tggacataaa	gaaagggaat	actctgctat	tgcagcatct	300
gaagaggatc	atctccgacc	tgtgtaaact	ctataacctc	cctcagcatc	cagatgtgga	360
gatgctggat	caacccttgc	cagcagagca	gtgcacacag	gaagacgtgt	cttcagaaga	420
tgaagatgag	gagatgcctg	aggacacaga	agacttagat	cactatgaaa	tgaagagga	480
agagccagct	gagggcaaga	aatctgaaga	tgatggcatt	ggaaaagaaa	acttggccat	540
cctagagaaa	attaaaaaga	accagaggca	agattactta	aatggtgcag	tgtctggctc	600
ggtgcaggcc	actgaccggc	tgatgaagga	gctcagggat	atataccgat	cacagagttt	660
caaaggcgga	aactatgcag	togaactcgt	gaatgacagt	ctgtatgatt	ggaatgtcaa	720
actcctcaaa	gttgaccagg	acagcgcttt	gcacaacgat	ctccagatcc	tcaaagagaa	780
agaaggagcc	gacttcattc	tacttaactt	ttcctttaaa	gataactttc	cctttgacct	840
accatttgtc	agggtttgtt	ctccagtcct	ctctggaggg	tatgttctgg	gcggaggggc	900
catctgcatg	gaacttctca	ccaaacaggg	ctggagcagt	gcctactcca	tagagtcagt	960
gatcatgcag	atcagtgcc	cactggtgaa	ggggaaagca	cgagtgcagt	ttggagccaa	1020
caaattctca	tacagtctga	caagagcaca	gcagtcctac	aagtccttgg	tgcagatcca	1080
cgaaaaaaac	ggctggtaca	cacccccaaa	agaagacggc	taaccctgga	gtatcacccct	1140
tcctccctcc	ccaggcacca	ctggaccaat	tacctttgaa	tgctgtattt	ggatctcacg	1200
ctgcctctgt	ggttccctcc	ctcatttttc	ctggacgtga	tagctctgcc	tattgcagga	1260
caatgatggc	tattctaaac	gctaaggaaa	aaaaacaaac	acagaactgt	ttcaagtact	1320
caagactgac	ttacagacca	accaaccacc	ttgctggaac	ccttgctagc	aggcattctt	1380
ataaaagaaa	ctttcgagcc	tccttatatt	gctggaaact	cagctgtgct	ccagactaga	1440
gcctccttac	ctatgctatg	gatttttaat	ttattttctc	ttattctatg	tacactgctt	1500
tttttggtta	cagtgtatga	tggatgtgta	tgaaaaaaat	gtatccttgg	gaaaacaatt	1560
acagtttgtt	aatttgaaga	tgtctgtctt	gactcatctt	tattttttatt	gcacatccc	1620
accccatccc	ctgaactact	tgggaggtgg	gaggggtacc	agtccacctt	tgcttttgg	1680
agagatgaga	ggcgcattt	tgtctgctaaa	gcaagagaaa	cttggagctg	aagcacacac	1740
ctggctctgcc	cctagatttc	tcctcaaggc	ctctggagca	accagcacct	gcccccttgg	1800
aatgcagagc	ctggcctgcc	aaactacaat	gtggtaggct	gaaacgatgg	tgttaattct	1860
taggactact	tttctagtca	cagatgtttt	caaatttcta	agaaaaagaa	aatgaggctc	1920
aagaggctgc	ttcgtagaat	tccttttgaa	tgaattgagt	ggggatgggg	acacagtcct	1980
caagtgtgta	tgtggtcttt	tctgatctca	gctgtgtggc	tgcaactctt	cgctgttcat	2040
tggttccctc	cctggaaagt	ggcttctaac	cagcactgga	tggtgatcat	tggtaagctt	2100
tgtcacctc	cctctctctt	gcttcatttg	gctttatcaa	aaagaacaga	cctagctctg	2160
aatttgtttg	gcttgggaaa	ttatggattc	tttcaagcca	ctcccacaag	gtgggtccta	2220
ctagaaaggg	ttagcatttt	aaggggggtt	gttctataca	cctgtgtcct	taacccaggg	2280
tcaggaactg	ccagggaggg	aagatgaggt	ggggagtctg	tactgagatg	gaactgtcag	2340
tgctgtgttg	tatgtacttg	ctgttgtaaa	agtttgggca	tgactttgca	tctagcgggt	2400
gctgcctgca	tctctttgtc	tgtaaagctt	ctctgggact	cagcctctta	ggacctacga	2460
tgccagcagc	tctcattaac	agtgaatga	cagaggccaa	agatggccaa	gtgaagaccc	2520
aagtctcaga	aaaccagac	ttgggacaac	tgccctggga	ctaggatgct	agagcagttc	2580
tgtaatgctt	tgagacacag	caattttcac	attggccatt	ctttcccctc	ccctaccccc	2640
ttttcttttg	agggactttt	aatgtttgct	gcttttaggtg	gatggagagt	ccaccaggtc	2700
ccactcaatt	gctgctctaa	acttctaccc	acacccacct	taattaaggg	gtgctaataa	2760
aacatgctga	ggttgagata	aagacgggac	ataaggggaa	aaattcattc	catagagctg	2820
aaatctgggt	ttcaaggcct	ctgtggcttt	cttctgaact	taccaccagc	cctggctgga	2880
atgtagattg	tgtttttagt	aatgtgtact	gtgagctgtc	ttctgtataa	tgtattttgt	2940
aatgtatttt	tctcatctac	caaaggatga	aacaaataaa	attattttaa	tagttaaaaa	3000
aaaaa						3005

<210> 5143
 <211> 604
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (178)...(250)
 <223> similar to gi3845179 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5143
 gggtttttttt ccccccggtt tttttttttt tgtccccggt tttttttttt cccccggtttt 60
 tttaaaagggt ggggggggaaa aattttttttt gggccctata aaaaaaaaaat tttttttttcc 120
 ccgggggggggt tttttttttt tttttttttt ggggggggcc cctttttttt tttttttttt 180
 tttttttttt tttttttttt tttttttttt tttttttttt ttgggtcatt tccacatgct 240
 ttattccagc aatcaaaaata attaaaaaca tctcaaatta ttatacacat acaaaatagg 300
 tacagagtct tttgcttcct cccaccccta ggggggaaaaa ctgctttgtg ctttgggaag 360
 ttgtctctga aaccggggga cagaggacgc aggacagact aggagggagc cgggaggatg 420
 ggctgcagct gtggaggagg gtttcagagg agagaggctg gagagcagag gcctgagaag 480
 ccagaggcag gtggagagag ggtggaaagt gagcagcggg ctgggctgga gccgcacacg 540
 ctctcctccc atgttaaata gcaccttag aaaaattcac aagtccccat ccacaaaaaa 600
 aaaa 604

<210> 5144
 <211> 1462
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1438)...(1026)
 <223> similar to gi3152703 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5144
 tttttttttt ttccagggtca acacgctttt attgccactt ctggctcccc tcgtcccagc 60
 aagattccta cctcttacct tgtaggaata ctgagctccg atgcagggga atggggtggg 120
 ggtgttacca cttctcctct gcacactgcc aagttaaaga aaaccctgct tgctggagag 180
 ggagggccag acagggagga attcaagggc atgtatggct cagtccact tctgactgca 240
 gagtataggg accagggttc caaacttttt ttcgaagtaa gggaggtggg gaagaatttg 300
 gctgctgttg taccctgtgt cctagctgcc atgtttccat ggaaatgaag gtggggcagg 360
 atgtagctca ctctgactac ctgggaggat ggcaggacag gcatttggtg aacatatctc 420


```

cctccactcc tacctagcac atacggtgt cccagccga cccccaggt ctctctcac 480
tgctgctcc actcccttcc cttctggagc tggatcatg ccaagtggag tccaggcagg 540
gctgccagtg ctactctcca cagccaggtc tcaactggac gttaggatct aagtatgtcc 600
gccaagctca ggagcatccc tgctagagct ggtggtggca gtgcctcggg gaaaaggcag 660
cagcagtacc cccaactctc tgtgcaactg ctgtttccca aacaaaactg aaaacataaa 720
cccaaactct taagggtatc actctggcac aatgctgagg actgggatgg gggagaggag 780
gcgcatactc ctgagactgg agccacctgt gcacctgcc ttctgcccac ctggagtgtg 840
cttcttccca ctgggctgtc actggggggc tggaatccaa atctccattt ggtgctgctt 900
tcagacacca ctgctgttcg tttatgaggc ttgccagttt ccatgggtgag gaggtgcagg 960
atggattctc agtaccatgg gtcagcccgg tgctgctggt tgtagagctg tagcttgatc 1020
tgatctttga tctgattcac taggatctgg gacagcagaa ttcccaccag ctgggggatg 1080
gccaggccta gagccacacc accaagtaag aatagggtgc tgtgtatcca gttgaccaac 1140
ttgtcaatac agccattggt gtagatgact ttgctagctt ccaagtagtc aaaggcctgc 1200
ataccttggc cacacatagt gttgatcact gcctggtcag gagtaggcaa gcaacaggag 1260
taaggcacag agcagcgctc tcgactgggg ttgtcttctg agcagttgaa atacatgttc 1320
tgagaccagt ccttgtagga aatccctcca cagcagctaa actttttctg gccaaaatca 1380
atgaggttct gcagatccaa gtcactctcg tagtgcacaa tggcattggt gatgatctca 1440
ctcactttcc ctcgacccgg ga 1462

```

```

<210> 5145
<211> 834
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(575)
<223> similar to gi3721617 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5145
gaattcccg gtcgagggcc agctctgcga cctggacccc agtgctcact tctacgggca 60
ctgcggcgag cagcttgagt gccggctgga cacaggcggc gacctgagcc gcggagaggt 120
gccggaacct ctgtgtgcct gtcgttcgca gagtccgctc tgcgggtccg acggtcacac 180
ctactcccag atctgccgcc tgcaggaggc ggcccgcgct cggcccgatg ccaacctcac 240
tgtggcacac ccggggccct gcgaatcggg gcccagatc gtgtcacatc catatgacac 300
ttggaatgtg acagggcagg atgtgatctt tggctgtgaa gtgtttgcct accccatggc 360
ctccatcgag tggaggaagg atggcttggg catccagctg ccaggggatg acccccacat 420
ctctgtgcag tttaggggtg gaccccagag gtttgaggtg actggctggc tgcagatcca 480
ggctgtgcgt ccagtgatg agggcactta ccgctgcctt gcccgcaatg ccctgggtca 540
agtggaggcc cctgctagct tgacagtgt cacacctgac cagctgaact ctacaggcat 600
ccccagctg cgatcactaa acctggttcc tgaggaggag gctgagagtg aagagaatga 660
cgattactac taggtccaga gctctggccc atgggggtgg gtgagcggct atagtgttca 720
tcctgtctct tgaaagacct ggaaagggag cagggtcctt catcgactgc tttcatgctg 780
tcagtaggga tgatcatggg aggctatttg actccaaggt agcagtgtgg tagg 834

```

<210> 5146
 <211> 413
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(299)
 <223> similar to gi3228237 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5146
 gctgtgggtc atcctgctgc cagtccagct gctgcaagcc cagctgctcc cagtccagct 60
 gctgtaagcc ctgctgttcc cagtccagct gctgtaagcc ctgctgctgc tcctcaggct 120
 gtgggtcatc ctgctgccag tccagctgct gcaaaccctg ctgttcccag tccagctgct 180
 gtaagccctg ctgctgctcc tcagggttggg ggtcatcctg ctgccagtc agctgctgca 240
 agccctgctc ctcccagtc agctgctgtg tcccaatttg ctgccagtc agatctgag 300
 gctctgcca caaacctcag tgggtcctac agatccgggc tctccaggaa tgactgcagc 360
 tgtgtcctga attcctgaag cacgtctctg aatctgtcct cctctggact aag 413

<210> 5147
 <211> 440
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(176)
 <223> similar to gi5668703 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5147
 cccggacccc agcaccctca gcaggcagca acgcagggtc tccccccgag gccccactt 60
 cctcaccagc cagccagcc acatcttctc caacaggggc ttccagcgcc cagcagcaac 120
 tcatgcagca gatgatccag cttttggctg gaagtggaaa ctacaggtta catgaggcag 180
 tgggggcagg tgctgggagc accactttga tcctgggagg tttcaaggga agcaatagaa 240
 tagaggcagt agggcaagct tgggagtcag gtccctgttct gccacttgct agccttgggc 300
 aggttactga tgctccctga gttcagtttg tgcagatgtg aaatagagat gagaagagta 360
 atgggtactta cccgtgcact acatactgtt ctaaagtctt tagattttgg agctcattta 420
 cgactcattt accacattcc 440

<210> 5148
 <211> 737

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (412)...(122)
 <223> similar to gi4589484 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5148

tttttttttt	ttcaagctgg	cttttcgtat	attgtgtata	aaaagatcag	attcaggatg	60
atttggtggg	attgccaggg	gctgaccgga	gtgttgctgg	gaaggagcct	cagctccgct	120
ccaggtcctc	caccaggtag	gactgggact	cccttagggc	ctggaggagc	aagtccttgc	180
aggtccagtt	ccaggctggt	gtgaaactga	agagcttccg	catcttgctt	gggttggtgg	240
gctcgccccg	cactgcctgg	tactgctcat	ccgtcaggac	cttcccgtac	agagcatcca	300
gcagccactc	aacgtttgtg	accctcgcca	taagcgcagc	ccggtgctgg	tctataaaagt	360
gcaggcctgg	cttggtgcc	gactgaggag	gggcctggat	cccagctggc	gcggctccag	420
agccctggtg	cgtggccgcc	tgcagctgcc	cggccatctc	ctgcaggccc	atgtcgcgca	480
gcacgttagc	ggtgagctcg	gcgccgtagg	tctccaggta	gaagctgacc	agcttgctcg	540
tgagggtccaa	ggcgtccatg	gacagcagcg	cgccccgcgg	gatgcgcccc	tagccctcgc	600
gcagcggcac	cgacagcagc	ttcagcttga	acttcttgag	ctcctcggcg	gtcaggttct	660
ccagcgcata	caggatggcg	tcgcgcgcgc	gccccatggc	tccaggatcc	ccggccgctg	720
ccgccgctca	ccccgct					737

<210> 5149
 <211> 1741
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(889)
 <223> similar to gil903218 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5149

aggaggtggc	cctgagagcc	acagcagaga	atgagtttgt	cgttctaaag	aaggacgtgg	60
actgtgccta	cctgcggaaa	tcagacctgg	aggccaatgt	ggaggccctg	gtggaggagt	120
ctagcttcct	gaggcgccct	tatgaagagg	agatccgcgt	tctccaagcc	cacatctcag	180
acacctcggt	catagtcaag	atggacaaca	gccgagacct	gaacatggac	tgcatactcg	240
ctgagatcaa	ggctcagtat	gacgatgttg	ccagccgcag	ccgggcccag	gctgagtcct	300
ggtaccgtag	caagtgtgag	gagatgaagg	ccacggtgat	caggcatggg	gagaccctgc	360
gccgcaccaa	ggaggagatc	aacgagctga	accgcatgat	ccagaggctg	acggcccgaga	420
ttgagaatgc	caagtgccag	cgtgccaaagc	tggaggctgc	tgtggctgag	gcagagcagc	480
aggggtgaggc	ggccctcagc	gatgcccgct	gcaagctggc	tgagctggag	ggcgccctgc	540
agaaggccaa	gcaggacatg	gcctgcctgc	tcaaggagta	ccaggagggtg	atgaactcca	600
agctgggcct	ggacatcgag	atcgccacct	acaggcgctc	gctggaggggc	gaggaacaca	660

```

ggctgtgtga aggtgtgggc tctgtgaatg tctgtgtcag cagctcccgt ggtggagtct 720
cctgtggggg cctctcctac agcaccaccc cagggcgcca gatcacttct ggcccctcag 780
ccataggcgg cagcatcacg gtggtggccc ctgactcctg tgccccctgc cagcctcggt 840
cctccagctt cagctgcggg agtagccggt cgggtccgctt tgccctagtag agtcatggag 900
ccagggtctt ctgccaagca cctgcctgcc tgcactactg cactgaatgg catgtgaatg 960
gaaaatgtgt gcttgcttcc agaatcttct ggatgttcct acagagggga agacctacag 1020
agggaaagac cctcggggcg ctcccctgcg ccttttcatg ctaggagat gcatcctagt 1080
tgtcctcctg gcagctgttt tcagaggcat tcccagccct tcaacttaact cctacttagc 1140
tccaaaatac ctgtatccaa tttgtattat tccccagct ctacaggata agaccagtcc 1200
cccagcgtgg tggtcagcac ggaagctcca ccttctgggt ggaggcgcca tcctaaccat 1260
ccagccaggc caccacaac ccgagaatca gggagaaagt ccctccccag cagccccctc 1320
ctcctggctg ggaagaatgg tccccagca agcacttgcc tgttcattcc cgttcatgtt 1380
ttgcttctct ctacagctgc ctctcctgctt ctgggctaac ctgttccagc caggctcctc 1440
atgtgacctc gcagttgaga agcccattat cagtgaacct ttgtacattt caaagaagac 1500
gttagggcac tttggacagg tcttgctatt cgtggggcat ccttttgctt acagcccctg 1560
tccatggctg ctccagatgc ccccttgctg ggtgcagggtg gggactgtcc aatgcagagc 1620
tggcgggaca gagagttaag ccacttcctg ggtctccttc ttatgactgt ctatgggtgc 1680
attgccttct gggttgtctc gatctgtgtt tcaataaatg ccgctgcaat gcaaaaaaaaa 1740
a 1741

```

```

<210> 5150
<211> 1090
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (13)...(818)
<223> similar to gi3868802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5150
cccacgcgtc cgaagagtgt agaggctgat gtcaatgggt taccaagagt gatggatgaa 60
ataatcctgt gcagaacaga tctggagatt cagtatgaaa ccctgagtga ggagatgact 120
tacctcacia tgaaccataa agaggaaatg ctggttctgc agtgcgcagc tggaggcaac 180
gtgaacgtgg agatgaacgc agcccccggt gtggacctca cagttctgct gaacaacatg 240
cgagctgagt acgaagccct tgcagagcag aaccgcaggg acgcggaggc ctggttcaac 300
gagaagagcg cctccctgca gcagcagatc tctgaggatg tcggagccac aacctcagcc 360
cggaatgagc tgactgaaat gaagcgcact cttcaaacc tggaaattga acttcagtct 420
ctcctagcca cgaaacactc cctggagtgc tcttgacag agaccgagag caactactgt 480
gcgcagctgg cgcagatcca ggctcagatc ggggcccctgg aggagcagct gcaccaggctc 540
agaaccgaga ccgagggcca gaagctggag tatgagcagc tccctggacat caagctccac 600
ctggaaaaag aaattgagac ctactgtctc cttataggag gagatgatgg agcctgtaag 660
tctgggggtt acaagtctaa agattatgga tctggaaatg tgggaagtca agtcaaagac 720
ccagccaaag ccatagtggg taagaaagtt cttgaggagg tagaccaacg cagcaaaata 780
cttaccacca ggctccactc cctggaagag aaatctcaaa gcaattaatt tgagatgcaa 840
cagagaacgt atgccacata gccctgcga agaaaaggca ttatgtatct gtccagaaaa 900
atgtgcatgt cctaagaaaa atgtctaacc tgttgtcttt ctgttacttt ctttctgggc 960
aatcaatgac agcatctccc ccattccatc ttagaagaat gccacacaca aatatgactc 1020
catttggtat atccctacag aaatctgttg tcaattcttt gtattcaata aacctcttct 1080

```

ttagcaagtt

1090

<210> 5151
<211> 514
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (197)...(435)
<223> similar to gi4874315 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5151
tttcgtgggg aagggcccca ggcaggctga ggattctagg ggcgggggtgg gaaggaggac 60
cggccgaacc ttgggtgtgg gacagagtgc gtgcgtgtgg tgtgtcccca agggcaggaa 120
ggtggcgaaag ggagggcgaat ccgagtgggt ggagggaggg gaagggcggg aggagaaaaa 180
ggtgggagga ggaccagggtg ggaggggtggc ggctcactca ggaccagcg ggggcagcgc 240
gatgaggcgg gtgaccctgt tcctgaacgg cagccccaag aacggaaagg tggttgctgt 300
atatggaact ttatctgatt tgctttctgt ggccagcagt aaactcggca taaaagccac 360
cagtgtgtat aatgggaaag gtggactgat tgatgatatt gctttgatca gggatgatga 420
tgttttgttt gtttgtgaag gagagccatt tattgatcct cagacagatt ctaagcctcc 480
tgaaggattg tttggattcc acacagagtg gctg 514

<210> 5152
<211> 726
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(272)
<223> similar to gi5917706 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5152
ggcctggatc cacaacatca cccacgggtc ggggatcggc aagccaatcg aggccttcca 60
tacttcgtct aggaatgcgc gcaacgtctc ccaggcctgg cgccacgcgt tgcccttcac 120
taagatcctg cgcgtgcagg aggtgtgcgc cggcgcgctg cagctgctgg gctaccggcc 180
tgtgtactct gcggaccagc agcgtgacct caccctggat ctggtgctgc cacgaggccc 240
agaccacttc agctgggcat cgctgactg agaactctgg gccttagagc agggcccgaa 300
ctgtgggtcg caggcccagg aggcgactgc atggtggaga gggagctggg gcgcatgggg 360
aagcaggtcc ctactatcaa ccgggagttt ggggtcctcc cctgaagtag gcaaggactg 420

cacgtttctt	tctctcctga	ttctcggttt	tcctttgaat	cttctggagc	tgccttctca	480
tcaggtgcac	tcttcatgga	aagcaactct	tgcccctacc	tcttctgggc	gcagggagta	540
agttactgct	aaattaaatt	aaatgtgtgc	caggccgggt	gcggtggctc	atgcctgtaa	600
tcccagcatt	ttgagaggct	gaggcgggtg	gatcacctga	ggtcaggagt	tcgaaaccag	660
cctggccaac	atagtgaaac	cccctctcta	ctaaaaatgc	aaaaattagt	ccggcgtggt	720
ggcacc						726

<210> 5153
 <211> 1071
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1003)...(379)
 <223> similar to gi538200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

tttttttttt	ttcataactc	tggtcactat	tttcatccgc	atctgtcact	tctgatgcgt	60
ctctaacatt	tataagattt	ctctggggag	ggatttgacg	tatccatgcc	ccacctcttt	120
ctacatttat	gggattgagc	tctccaccag	ccacccatgg	gctgatgtct	ttggaatatg	180
gatctagtac	caacagagtc	agaaaaagag	atgggggtcca	atgggctaca	gttgggtggt	240
ggtcctggga	tacacagcac	agtggcctct	actgggggat	ggcagctttc	caggagaaga	300
gtcgcaagct	tgcctgtggg	acttgtgtct	tgtggagagg	acagggctgc	ctcagcttgg	360
ggagacagac	agagtgttcc	gggtccccctc	tttccgccgc	agcatgaagt	ctctgggggc	420
gactggactc	atggcataga	agacgttggc	attgtcagga	atcaggagca	cccgggtcccc	480
aggaaggact	tgaaagagct	gatagtcaca	ggcccagggc	tggggcacat	tgtgcttctg	540
caaggctcgc	cggaccacgc	tgggggcttt	gtcctgactg	gtcagcaaga	tgcttcgata	600
caggttcccc	tggtcattgt	cgatgctgac	gcggatgaca	cgggcctccg	agctctgctg	660
cgccgggagg	gggattcgag	ggctgccccag	aggcaaagcg	aagggccggg	ggctgggcag	720
gtccaggctc	aggggcagct	tggtgctggg	gccctggggc	cctggagagg	ccgggggact	780
gccagcagga	gcatctctgc	ttctaggact	tgaggggggt	gaccctgggg	acacactgga	840
ggtgggggat	gaggggtccc	cgggactccc	actaggtgat	gagcttttct	ctcgggcaag	900
cttcgcactg	agacgcttgg	tgaggctgat	ccgccgtcgg	atgcgtgggg	agctggggca	960
ggaggcagct	ggtggctcaa	tgacccggga	gagccggtag	ctgaggggtc	aatctgtgga	1020
tgaggtggtg	ggggcaggaa	atacagggga	tggagagata	agagttggaa	t	1071

<210> 5154
 <211> 608
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (611)...(339)

<223> similar to gil613788 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5154

ttttttgctg	ctccaggagt	ttttattgaa	cattctgggtg	gggtgggggtg	gggttgggag	60
gtgtcctgtc	agtcagtcac	ccaccaatag	cctgggggggc	cgagactcct	gaccccatte	120
tgggcccgtc	ttttggcctc	cctgggcagc	gcccagaaca	gagggggccg	cctgcggggc	180
tgagtgggct	ttgtatgggg	ggcaccatgg	aaggctgccc	gccacaggac	aggccctggg	240
ttgagagggc	ctgggaaggt	gccgccaggc	tagaggctcg	gaagggcgcc	tgagcagaca	300
cgccagcatc	cgctgctagg	tgctggccag	ggctggggcc	ttggagcccc	gctgcttggt	360
catggcactc	aggagctgct	gcacatatga	ggtcagcagg	tcatccatct	tatagcccag	420
ggaggtctcg	cacagcaggc	ggctgccacg	gcccaggctc	cccagcgcca	tgtggaagta	480
ggtgctgccg	ctgctccagc	tggagatctt	ggtgaaggga	taggtgggtg	gcaggctcct	540
ggtcttgggg	tggatgagca	gaaccccatg	tcggttgatg	gcgatgagga	tgacgtccgg	600
gtaggaag						608

<210> 5155

<211> 1205

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (20)...(772)

<223> similar to gi6014681 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5155

cggggagccc	ccggggggccc	cgccaccgcc	gcggtccgcc	gtcacctacc	cggactggat	60
cggccagagt	tactccgagg	tgatgagcct	caacgagcac	tccatgcagg	cgctgtcctg	120
gcgcaagctc	tacttgagcc	gcgccaaagt	taaagcctcc	agccggacct	cggctctgct	180
ctccggtctc	gccatgggtg	caatgggtgga	ggtgcagctg	gacgctgacc	acgactaccc	240
accggggctg	ctcatcgcc	tcagtgcctg	caccacagtg	ctggtggctg	tgacacctgt	300
tgcgctcatg	atcagcacct	gcacccctgc	caacatcgag	gcggtgagca	acgtgcacaa	360
tctcaactcg	gtcaaggagt	ccccccatga	gcgcatgcac	cgccacatcg	agctggcctg	420
ggccttctcc	accgtcatcg	gcacgctgct	cttcctagct	gaggtgggtg	tgctctgctg	480
ggtcaagtcc	ttgcccccca	agaagcagcc	aggccagcca	aggccaccca	gcaagcccc	540
cgccagtggc	gcagcagcca	acgtcagcac	cagcggcatc	accccgggcc	aggcagctgc	600
catgcctcg	acca'ccatca	tgggtgccct	cggcctgac	tttatcgctc	tcgccgtcca	660
cttctaccgc	tactgggtta	gccataagac	tgaccgacag	ttccaggagc	tcaacgagct	720
ggcggagtgt	gcccgtttac	aggaccagct	ggaccacaga	ggggaccacc	ccctgacgcc	780
cggcagccac	tatgcctagg	cccatgtggt	ctgggccctt	ccagtgcctt	ggccttacgc	840
ccttcccctt	gacctgtgct	tgccccagcc	tcacggacag	cctgcgcagg	gggctgggct	900
tcagcaaggg	gcagagcatg	gagggaagag	gatttttata	agagaaattt	ctgcactttg	960
aaactgtcct	ctaagagaat	aagcatttcc	tgcttctcca	gctccaggtc	cacctcctgt	1020
tgggaggcgg	tggggggcca	aagtggggcc	acacactcgc	tgtgtcccct	ctcctcccct	1080
gtgccagtgc	cacctgggtg	cctcctcctg	tcctgtccgt	ctcaacctcc	ctcccgtcca	1140

```
gcattgagtg tgtacatgtg tgtgtgacac ataaatatac tcataaggac acctcaaaaa 1200
aaaaa 1205
```

```
<210> 5156
<211> 1762
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1763)
<223> n = a,t,c or g
```

```
<220>
<221> misc_feature
<222> (127)...(1067)
<223> similar to gi3874026 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5156
gcaccctccc ctcacaatcg gcagcataag cacagacgta aacgcaggaa ccaatgcgat 60
tttaggttga atttaggaca gcgctggaac ttcactttac ccctcttgcg gtcacacgag 120
caaagcgagc tgaattcctt cttgtggacc attaagcgag acccaccatc ttactttctt 180
ggcacaatcc atgtcccgtg cacccgagtt tgggacttca tccccgacaa ctctaaggag 240
gctttcctgc agagcagcat tgtgtacttt gagttggatc tcacagaccc ctataccatc 300
tcagctctca ccagctgtca gatgctgcca cagggcgaga acctccaaga tgtgctcccc 360
agggacatct actgccgcct caagcgccac ctggagtatg tcaagctcat gatgcccttg 420
tggtatgacc cagaccagcg cggcaagggg ctctacgcag actacctctt caatgctatt 480
gccggaaact gggagcgcaa gaggcctgtc tgggtgatgc tcatgggtcaa ctccctgact 540
gaagtggaca ttaagtcccg tggagtgcct gtcttagacc tgttccttgc ccaggaggct 600
gagcggctga ggaaacagac tggggcagtg gaaaaggtgg aagagcagtg ccatccattg 660
aatgggttga acttttcaca ggtcatcttt gctttgaacc agaccctcct gcagcaggaa 720
agcctgcgag caggcagctc tcagatcccc tacacgacgg aggatctcat caaacactat 780
aactgcgggg acctcagctc cgtcatectc agccatgaca gctcccaggt tccaatttt 840
attaatgcca cgctaccacc tcaggagcgc atcactgctc aggagattga cagctactta 900
cgccgggagc tgatctacaa gcggaatgag agaataggga agcgggtgaa ggcccttttg 960
gaggagtccc ctgacaaagg cttcttcttt gcctttggag ctgggtcattt catgggcaac 1020
aacacagtgc tggatgtttt gcggcgtgaa ggctatgagg tagaacacgc ccctgctgga 1080
cgacccatcc acaaagggaag gagtaaaaag acctccacac ggcccaactc gtccaccatc 1140
tttgctccaa aagtcctctc cctggaagta ccggcaccag aagccgtatc ctcaaggcac 1200
tcaacgctgc ctccccttgt gtcccgcctt ggaagtgcg acacgcccag tgaggccgaa 1260
cagaggttcc ggaagaagcg gaggcggtca cagcggaggc cgcgactccg gcaattcagc 1320
gatctgtggg tccgcctgga ggagagtgac atagtcccgc aactccaggt ccctgtcctg 1380
gacaggcaca tctccactga actgcggctc cctcgccgtg ggcatcccca ccacagccag 1440
atggtggcca gcagtgcctg cctgtctctc tggactcctg tggtctgggt gctgggtgctg 1500
gctttccaaa cagagacacc cctcctgtaa cgactggaag caccaggcta agaacctgac 1560
ccctcgact tgaagaatgg ccattcctgt actccacatt ctggtctagc cttgttgggc 1620
ccaatccaga agagactgct cttgaaaaag cggcccagtg ttgattcttc tctttccaag 1680
gaatgtgact ttgggttatc caactttggg ggcaggtgta cagttttgta acataagtga 1740
gtgtgntgtg aaaataaatt at 1762
```


<210> 5157
 <211> 1701
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1702)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1653)...(984)
 <223> similar to gi4903004 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5157

tttttttttt	ttggctgtgg	ttgtaggaac	caccctacag	cctagaagac	tttattaaga	60
tcttattgct	tatgcagtta	aagagacact	gattgagcta	caggtttcct	gtacctgggc	120
tcaggctcact	ctgtgcagag	cttccccagg	ctggtgggag	ctgggagact	gctaggcagg	180
ggcaggcccc	agagtgggaa	gcatggtacc	tcctaggagc	ctcagagtgg	gtagcgggct	240
tcaagacagc	cctcaggggtg	aacagagagg	tcaggagtgt	cggcttaagc	cagggcccag	300
gggctacatt	ccctgagatg	agtcaagccc	agccctctct	ggggtttcca	gaacaaaggc	360
taggtgtggg	gagcagcact	gtggagaggg	cagggagcat	gtctctaggc	attgctggaa	420
ctggaggaga	ctgtcagagt	ggtttgggta	atggttgat	aatctgtggc	aactgggcct	480
tcttgcata	aagtggagg	gtgaggatcc	cttatggaag	agtcatagcac	catggctggg	540
ctggactagc	cagctccagt	ggctctgctg	ggtgactaaa	gtaggcaagg	aaagccactt	600
gttgcccaca	ccccactttc	atcaactctg	ttcatgcagg	acaaagcagg	gagctgcccc	660
acaaggatgg	ggttattttc	caggcctagg	tattgatgtt	accttaattc	tttagtctgg	720
aagaacttgg	ttgggggtgg	gggatggtaa	gcatttcctt	aaccaaacc	acacttcaca	780
tctcctaggg	gtaccccttc	atccaccaac	ctccagagaa	taacctggct	gccctcactt	840
ctccagcttt	tctcacaagg	cacttggttac	agggctgctg	atgggagagg	gaggaaggcc	900
tgggaggggg	atctggtggt	ggcgcccaat	ctacagggtc	cggaatcagg	gtggaagtgt	960
tcagggacta	gcggtgcca	tagtacaggc	gcatggccag	gccaatgagc	aatgtggcca	1020
ggaagaaggc	ggctgtgagc	tgcagccgta	gcaggactgc	tgagagcacg	gcgttgacca	1080
ccagcgagca	ggacaccaca	aagaggcggtg	tgatgctgct	gccatgcttc	atgacagcag	1140
acatgagcag	tccatttagt	gcctggctca	gcaccacgag	tgctgcccac	cctgagaaac	1200
cttccaggag	gcctgggcca	gagccgccgc	cagcatgcag	acctagattc	agaagcacac	1260
caaaagtgtg	gaggaagagg	ttctgaagtg	ccaggggcag	ccgctgtcgc	ttcatgagca	1320
gctctgtgta	cactgacgac	aagcctgaga	tgaggcagta	cagaatgagg	agcagcaggc	1380
ctagcggagt	gatatgcagg	ggcatggggc	tggcagcagc	tgctggaggg	ggactgggaa	1440
gggtgttccc	gggaacttga	aggccccctg	ctgcatagca	ggctcccga	gccatcagca	1500
gcagcagcgc	taacccctga	cgcacagaga	ggcggtgccc	gaggcagagg	cagtagagcc	1560
cagctgtgct	tccaatcttg	agattactca	gcacctggta	ggtgctgggg	tccatgtaac	1620
gctgaagata	gatcaccagg	ttgttcttag	cgcccgcccc	cgtgggtcga	cgcnggttct	1680
aaggacgtcg	agcgggggtca	g				1701

<210> 5158
 <211> 663
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (96)...(219)
 <223> similar to gi3327068 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5158
 gatttcatct ttcagctgca tcttctgacc ctgttaaaaa gggagtacta acagtggact 60
 tctctggagt actaacagtg gacttctctc cgtaggggta tgataattca gagagcagtg 120
 ttcggaaagc ttgtgtcttc tgcctgggtg ctgttcatgc ggtaattggg gatgaactaa 180
 aaccacatct cagtcaactt actggcagta aagtaagtag tgctgctgtg ctttagagat 240
 ggtggccata gtacatcttt caaaacttag ttacatgtct gtaacagtaa gctttttatt 300
 tggcatttaa taagtcaggc tttgagcatc caacttgccc ttattatttc tgttttgtat 360
 tttatctttt tctactctaa catttggttag atgttctactc aggtgaagtc agcagtttgt 420
 tggggtgatg ggtaggtttc tgtgagagaa aatgcctgca gcttctgggt atttataata 480
 gttagctgac tccttaccaa atcccagacc caaatcttta cccctgacca ctgttttatt 540
 aagaataaat agactgttgt ggttatatat attaattgat tactgtatat ctctccaaat 600
 atagaatact tgcacattta aaaatttttc cccttaagaa ctatgataat caaatatttg 660
 tcg 663

<210> 5159
 <211> 2289
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(266)
 <223> similar to gi3879893 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5159
 ggccatggtc ttcggagggg tgggtgcccta cgtcccgcag tatcgggaca ttcgcaggac 60
 gcagaacgcc gacggcttct ccacgtacgt gtgcctgggt ctgttgggtg ccaacatttt 120
 gcggatactc ttctggtttg gaaggcgctt tgagtccccg ctgctgtggc agagcgccat 180
 catgatcctg accatgctgc tgatgctgaa gctgtgcacc gaggtccgtg tggccaacga 240
 gctcaacgcc aggcgcgcgt cctttacagc tgcagatagc aaggatgaag aagtcaagggt 300
 tgcccccagg cggtccttcc tggacttcga cccccaccac ttctggcagt ggagcagctt 360
 ctcgactac gtgcagtgcg tcctggcctt cacgggcgtg gcgggctaca tcacctacct 420
 gtccattgac tccgccctgt ttgtggagac cctgggcctc ctggctgtgc tgaccgaagc 480

catgctgggt	gtgccccagc	tttaccgcaa	ccaccgccac	cagtccacgg	agggcatgag	540
catcaagatg	gtgctcatgt	ggaccagtgg	tgacgccttc	aagacggcct	acttcctgct	600
gaaggggtgcc	cctctgcagt	tctccgtgtg	cggcctgctg	caggtgctgg	tggacctggc	660
catcctgggg	caggcctacg	ccttcgcccc	ccacccccag	aagccggcgc	cccacgccgt	720
gcacccccact	ggcaccaagg	ccctctgaca	gtggggagga	cgaggatgtg	ggaccgccag	780
ccgcggggcac	tgggtggggccc	tgaacctccc	cgcggggagg	gtgggtaccg	tggccccctgc	840
aggtgtggca	gagatggggc	ataggcattg	gggtctccat	cagcctctgt	aggggtgtctc	900
agggttgtca	gtgggggttg	ggctgggacg	ctgtttgtgc	tcagcgggga	cagccagggt	960
tgatctggcc	ccgagggttt	tggatgtttt	taggatgaca	taaaaagcaa	gtgttttccc	1020
catttcctct	tatgaaacac	cgtctgagcc	caaggtacac	attgggcggc	ctgcaggaaac	1080
ctgctccagg	tggacacacg	ggccagcagc	cgcgaacctt	gaagctgggg	tgaccgcagg	1140
agaccctgta	aggcctgtga	gcggagccct	cgaccccgctg	acaccctggc	cagacaccct	1200
gcttggactg	gggtggcctc	tgctacccag	gggtctggca	cgggggaggg	ctggggccttt	1260
ctctgcctgg	tacacacgga	aaggcggctg	tcgggacgca	gggtcacctg	gctccgggtt	1320
ttctgacagt	cgggtgtttcc	tgggcctttg	gagtggctgc	gaggcctgaa	cgcttgtgg	1380
atccgctgtg	tccagcccgg	ctgagcatcg	ccagggctag	ctcatgctgc	tcttgtcagc	1440
ctctggttct	cctcgagtcc	ttggggacgt	ggcagatgcc	agcgaccatc	agacaacgtg	1500
gaggccctca	tgggcaatgg	ctgagggggc	cgggctgagg	ctgtgcacat	gcagtctgca	1560
cgccactctt	gggctctgct	ggcggagatc	cccttccttc	tgggtgcaga	ctgcacctcc	1620
ggatgcagtt	ttgatgtcca	tcttccagga	gagagacggt	ctcgggtcca	gggagtggag	1680
ggggctgccc	ctgccgtgca	ggtcctggcc	gatggcgctt	tacctgctg	ccctgggctt	1740
ttggcctgaa	gcaaattcct	gagtgggggg	tactggggcc	tgccgcatcc	tgtcctgtcc	1800
actgcccacc	cccgtgtgct	ggctccctca	cttctggctg	cagtgggagc	cgccagtctg	1860
acccttgtca	ccgcacgctc	tgccccccacc	ccgttgcaag	aggtcacacc	atgtcagcag	1920
ccttgcactg	accgcagccg	gccccccaggc	ctcagagttc	tggatgcttc	cgtgcggctc	1980
caacaggcat	cgtcttccct	tccgcagggtg	gagggggccgc	ttcccgcagg	catctgagct	2040
ctgtgccggg	gccgtggcca	tgggaagatg	ttccacgctg	cctcctcctc	gagttttcct	2100
cggaaacact	cttgaatgtc	tgagtgaggg	tcctgcttag	ctctttggcc	tgtgagatgc	2160
tttgaaaatt	tttatttttt	taagatgaag	caagatgtct	gtagcggtaa	ttgcctcaca	2220
ttaaactgtc	gccgactgca	ggcgcagtg	ctgctgaaaa	aaaacctcgt	gccaagcttg	2280
gcgtaagcg						2289

<210> 5160

<211> 957

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (110)...(455)

<223> similar to gi505658 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5160

gaatccaaat	ggtcctcaca	gtgccacggc	ccggggcagg	atggcagccc	ctctgcacct	60
tgcacgctgg	ctggttcact	cttaactcct	taccagctg	aaagtgaatg	ggcggctaga	120
ccaagaggag	tttgccgac	tgtggaagcg	ccttggtcac	taccagcatg	ttttccagaa	180
ggttcagaca	agccctggag	tcctcctgag	ctcggacttg	tgggaaggcca	tagagaatac	240
agacttcctc	agagggatct	tcatcagccg	tgagctgctg	catctggtga	ccctcaggta	300
cagcgacagc	gtcggcaggg	tcagcttccc	cagcctggtc	tgcttctga	tgcggcttga	360

<210> 5161
 <211> 978
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(829)
 <223> similar to gil335277 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5161

gaaagccaca	aggacgacgc	ccacaaggag	gaaaccagcc	ccaacgtccc	ccacctcctc	60
caggaaagcc	acaaggacca	ccccacaaag	gaggaaacca	gtcccaaggt	ccccacctc	120
ctccaggaaa	gccagaagga	cgacccccac	aaggaggcaa	ccagtcccaa	ggtccccccac	180
ctcatccagg	aaagccagaa	agaccacccc	cacaaggagg	aaaccagtcc	caagggtcccc	240
cacctcatcc	aggaaagcca	gaaagccgac	ccccacaagg	aggacaccag	tcccaaggtc	300
ccccacctac	tccaggaaaag	ccggaaggac	cacccccaca	aggaggaaac	cagtcccaac	360
gtacccccacc	tcctccagga	aagccagaag	gacgaccccc	acaaggaggc	aaccagtccc	420
aagggtcccc	acctcgtcca	gaaatgccag	aaagaccacc	cccacaagga	ggcaaccagt	480
cccaccgtcc	cccacctcct	ccaggaaaagc	cagaaaagacc	acccccacaa	ggagggaacc	540
agtcccaagg	tccccacact	catccaggaa	agccagaagg	accacccccca	caggaaggaa	600
acaagtcccg	aagtgtccga	tctcctccag	gaaagccaca	aggaccaccc	caacaagaag	660
gcaacaagcc	tcaaggtccc	ccacctcctg	gaaagccaca	aggccacccc	ccaccaggag	720
gcaatcccca	gcagcctcag	gcacctcctg	ctggaaagcc	ccagggggcca	cctccacctc	780
ctcaaggggg	caggccaccc	agacctgccc	agggacaaca	gcctccccag	taatctagga	840
ttcaatgaca	ggaagtgaat	aagaagatat	cagtgaattc	aaataattca	attgctacaa	900
atgccgtgac	attggaacaa	gttcatcata	gctctaactt	taatatacca	ataaaataat	960
cagcttgcaa	aaaaaaaa					978

<210> 5162
 <211> 1868
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1868)...(1032)
 <223> similar to gi854328 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5162

tttttttttt	ttaacagtaa	ttcttcagac	tttattaaaa	aatgacataa	agtgcattctt	60
attaaaaaat	gtataaaaac	cacataaatt	cagggcccct	gtgctgggca	gtgttgatat	120
cccttagagt	ggaggaaggt	gagggatgga	gggtgaactg	gggactgggg	agaggaccag	180
ggtgcagtta	gttcctcgtg	tttgagttca	aagatggagc	gaggggtgat	atggtgggaa	240

```

ggggcacacg ggttctcacg caacaacgga ggaaggcagg cgacagtctc ttccctgaat 300
tctgagggaa aggcgtacat tgtcacgaaa tctctcctga gctcgcgctg tcctctcgtg 360
tgccacacag ctgatacagg ctggaaagggt ccaggagtgt ggtccgagcc caggacctgg 420
tgagggccgc agtgccaacc tagccctctg gtccctgagg tggtagggac acggcagcaa 480
caactacatc ctcggtgac tggcaaggca gaacgcacgc agcccaagct ggtcctgaat 540
ctgcagttag acagggcagc cggtaggcagc gggataatgt ggaagggtgaa gaggccagtt 600
ggtgaggggt tccaactctg tctcagacaa ccactttgga tgcattccca gcaccctgg 660
gaggccatga actggagcag ccgtgtgtgc tgcattgcat gctatctctt ccctctcatt 720
ctagttttcac atttgaatt gtttttttaa caaagggtc agtttacata aggagcactg 780
ttccaccaac ctaggcaggc ccccatattt ggccaggacc tctggggcca cggctgtttg 840
ggtgtctggg tggtaggagc ttcgctactt gactggagag cagcaggcca gctggcccca 900
aggctcccaa gggccgggca ccacggctgt gttccacgaa gagcagagcg gaggggaggt 960
ccagttgacc ctctccgagc attcacagcc cctgaagcca gggcagcgtc ctctggaagt 1020
cagctctcac accacagagt cacggatctc cgagccaagg cggaccgggg gccgggggca 1080
cactggggat acctccacga agctgtcttg gatgctgagt ggcctcttct ctgactcagt 1140
gaagactcgg gccccgggg ggctgtctga cagggactgg taccctcggg gatcgagcgg 1200
ggtgctaggg ggccctaggc cgttgagtgg gcgggtctca gggggcagca ccacagggca 1260
ggtcttgggg tgcacgctgg cacattcccc ctgcttcagg aagactttca tgctgttccg 1320
gtgccggtag agcaagaata aaactgggag cagcacggcc agcacaaaga gcgtgcacat 1380
caccaggaac tccttccagt aggacctgtc tgcaccccag ctggccttgc caccagctgg 1440
tgcactcaca cgcgatgtgc tgataatgac gggtagactg ccaccctcat ctgtttggtc 1500
tgccaccccc tcctccacca cctctgggca gtagctggct accagctgct ggaagccctc 1560
ctctagttag cagcactgga actccccag ctgttgggtg cccaccagca gcaggtcccc 1620
agtgggtagc acgtggcagg aggccgaggc attgacgggg gccccgttgc gtagccagag 1680
tcgggtcgcc aggttggaga ggagcgggca ggccaaagtg ttactgtgtg tgggctggaa 1740
ctggacttgc tcacatggct tctcccctgt tggtagaaaa gacggggaca caaccgaaga 1800
cgcgctgcaa aggtccttgg cgtggtctcc ctcgatgtcc tggatccacg gcctggtggc 1860
cagctgag

```

```

<210> 5163
<211> 934
<212> DNA
<213> Homo sapiens

<220>
<221> misc feature
<222> (937)...(663)
<223> similar to gi485110 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5163
tttttttttt ttagattcag atattttaacg aatagtattg catggtacaa tcatgcaggt 60
ttaaaataat agcaattgag tccataggag aagacgacat tcttgcttga caaggtagga 120
acaaattcat tataattcac caagactaaa attacaaagt ttgggtgtgt aaaggcaaga 180
tttaattggt gggaaaattt atccgagcca gccaccagca caaaagccag gctgacaaa 240
tcaaattgat tctttacatc ctccaagttt cagaagaatc ttgaatatgg ttagccagaa 300
gatatggtaa atttgacccc aaacatttgc ttgaaggagt aaggctcttct aatgagttaa 360
tgtcaagaga tcagcacata agtaatagct tatttatcct ttaggtcaca tccatctgtg 420
aatcaagcag ccttgcagtc cacatggtca gcatctctcc catggctcga ggctcaatga 480
tcaaggttgt ttagccagtc ttagagtata taaaagcct ctccattttt ttttggttgt 540

```

ttagagaga	gaatacgcaa	gggaattctt	cacaggagga	gacgtagtcc	taaatccctt	600
ctgctttccg	ttgcattgga	tgtatcactt	gttctcttta	ataatcattt	tttccatcct	660
cattcattgt	acttggacag	ttttaacctg	gggatgatgt	tcatagactg	tagttcctgg	720
aagagcagct	tgcaggcata	cggaatacgg	aggggaagaca	cgtggcagga	tgacttgcag	780
taatggcacc	agccagaata	ccccagaagt	ccacactgcc	cacagacatc	aacctcaaag	840
gcatcacttg	aaatcattag	tctctctagc	aaaagcatat	tggctccata	accgattaaa	900
cagtcacgtt	ccatttcccc	gagacgcaag	ccac			934

<210> 5164
 <211> 1445
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(798)
 <223> similar to gil314373 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5164						
atgaagaagg	aggtgtgctc	cgtggccttc	ctcaaggccg	tgttcgcaga	gttcttggcc	60
acctcatct	tcgtcttctt	tggcctgggc	tcggccctca	agtggccgtc	ggcgtgcct	120
accatcctgc	agatcgcgct	ggcgtttggc	ctggccatag	gcacgctggc	ccaggccctg	180
ggacccgtga	gcggcgga	catcaacccc	gccatcaccc	tggccctctt	ggggggcaac	240
cagatctcgc	tgctccgggc	tttctttctac	gtggcgggcc	agctgggtggg	cgccattgcc	300
ggggctggca	tcctctacgg	tgtggcaccg	ctcaatgccc	ggggcaatct	ggccgtcaac	360
gcgctcaaca	acaacacaac	gcagggccag	gccatggtgg	tggagctgat	tctgaccttc	420
cagctggcac	tctgcatctt	cgctccact	gactcccgcc	gcaccagccc	tgtgggctcc	480
ccagccctgt	ccattggcct	gtctgtcacc	ctgggccacc	ttgtcggaat	ctacttcaact	540
ggctgctcca	tgaaccagc	ccgctctttt	ggccctgcgg	tggatcatgaa	tcggttcagc	600
cccgtcact	gggttttctg	ggtaggggccc	atcgtggggg	cggtcctggc	tgccatcctt	660
tacttctacc	tgctcttccc	caactccctg	agcctgagtg	agcgtgtggc	catcatcaaa	720
ggcacgtatg	agcctgacga	ggactgggag	gagcagcggg	aagagcgga	gaagaccatg	780
gagctgacca	cccgtgacc	agtgtcaggc	aggggccagc	ccctcagccc	ctgagccaag	840
ggggaaaaga	agaaaaagta	cctaacacaa	gcttcctttt	tgcacaaccg	gtcctcttgg	900
ctgaggagga	ggagctggtc	accctggctg	cacagttaga	gaggggagaa	ggaacccatg	960
atgggactcc	tggggtaggg	gccaggggct	ggggtctgct	ggggacagggt	ctctctggga	1020
cagacctcag	agattgtgaa	tgcagtgcc	agctcacagg	ctgcaagggc	caggccagaa	1080
aagggtgggc	ctgcagcctg	cacccccac	cttccccaac	ccttccctcaa	gagctgaagg	1140
gatcccagcc	cctagggtggg	cagaggcaga	ccctccccag	agctccttag	gaagaagaca	1200
gactgggttca	ttgaatgcc	ccttatttat	ttctggtgag	gatgcatgcg	tggggctgct	1260
ggtgttttaga	gtgggggcta	cccaataaat	cactgatact	caaaacacca	gcagaccctc	1320
cccagagctc	cttaggaaga	agacagactg	gttcattgaa	tgccgcctta	tttatttctg	1380
gtgaggatgc	atgcgtgggg	ctgctggtgt	ttagagtggg	ggctacccaa	taaatcactg	1440
atact						1445

```

<210> 5165
<211> 1620
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(1326)
<223> similar to gi4262587 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5165
ggcacgagcc caagcaattc aagacccagc aatactacaa cggcctgaag cagatctgtc      60
cagaagtggg gaatgcccag ccaggggcct tgaagagtca gaggctccca gatctgacca      120
cagtcattctc ggtggatgcc cctttgccgg ggacctgtct cctggatgaa gtgggtggcg      180
ctggcagcac acggcagcat ctggaccagc tccaatacaa ccagcagttc ctgtcctgcc      240
atgaccccat caacatccag ttcacctcgg ggacaacagg cagccccaag gggggccaccc      300
tctcccacta caacattgtc aacaactcca acattttagg agagcgcctg aaactgcatg      360
agaagacacc agagcagttg cggatgatcc tgcccaaccc cctgtaccat tgcttgggtt      420
ccgtggcagg cacaatgatg tgtctgatgt acggtgccac cctcatcctg gcctctccca      480
tcttcaatgg caagaaggca ctggaggcca tcagcagaga gagaggcacc ttctgtatg      540
gtacccccac gatgttcgtg gacattctga accagccaga cttctccagt tatgacatct      600
cgaccatgtg tggagggtgtc attgctgggt cccctgcacc tccagagttg atccgagcca      660
tcatcaacaa gataaatatg aaggacctgg tggttgctta tggaaccaca gagaacagtc      720
ccgtgacatt cgcgcacttc cctgaggaca ctgtggagca gaaggcagaa agcgtgggca      780
gaattatgcc tcacacggag gcccggatca tgaacatgga ggcagggacg ctggcaaagc      840
tgaacacgcc cgggggagctg tgcattccgag ggtactgcgt catgctgggc tactggggtg      900
agcctcagaa gacagaggaa gcagtggatc aggacaagtg gtattggaca ggagatgtcg      960
ccacaatgaa tgagcagggc ttctgcaaga tcgtgggccg ctctaaggat atgatcatcc     1020
gggggtggtg gaacatctac cccgcagagc tcgaggactt cttcacaca caccgaagg     1080
tgcaggaagt gcaggtggtg ggagtgaagg acgatcggat gggggaagag atttgtgcct     1140
gcattcggct gaaggacggg gaggagacca cgggtggagga gataaaagct ttctgcaaag     1200
ggaagatctc tcacttcaag attccgaagt acatcgtgtt tgtcacaac taccctctca     1260
ccatttcagg aaagatccag aaattcaaac ttcgagagca gatggaacga catctaaatc     1320
tgtgaataaa gcagcaggcc tgtcctggcc gggtggcctg actctctcct gtcagaatgc     1380
aacctggctt tatgcaccta gatgtcccca gcaccagtt ctgagccagg cacatcaaat     1440
gtcaaggaat tgactgaacg aactaagagc tcctggatgg gtccgggaac tcgcctgggc     1500
acaagggtgcc aaaaggcagg cagcctgccc aggccctccc tcctgtccat cccccacatt     1560
cccctgtctg tccttgtgat ttggcataaa gagcttctgt tttctttggc aaaaaaaaaa     1620

```

```

<210> 5166
<211> 711
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(712)
<223> n = a,t,c or g

```


<220>
 <221> misc_feature
 <222> (406)...(226)
 <223> similar to gill109915 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5166
 aatacattgg cgggcgtagt acttattgtg ctctgcaaac ttgagttcct gaatgacatc 60
 tgggtacttg agtagccgca gcaggatctt ctctgatatc atggaggggc taaactgaga 120
 gacctctgtg gctaggaagc gatgagcggc caggaggagc tgcggggaga ttttcaactt 180
 gagctcattg tccgcatcct tgaaggcaga gaagtcacgc ttgttcttct cagacacccg 240
 cttccggctt cggttggtcag tgtacatgtc ggactcgtcc aggatctccg acttgatgat 300
 ctctcgatc acgtcctcca gggtgaccag gcccaggacc tcgtagaagg ggtcaccctc 360
 accctcgttg tttaccttct gcacgatggc cagggtgggac ttcccagctc cagctgcttt 420
 ttctcatggg gaaaagccag gggccccaga gcagaccagg gactcccacc acccaagaag 480
 gagtcctctg catcttactc aatgagtctc ccaggaaggc ccagcctctg agatcccagg 540
 ggcccaggat gttcccgcgc tctcaggccc tcccatggga gaggtgcggg caggactgac 600
 tggaagccac aggcttgggc caaagtccac acaaacagat agctgagcac cctgatttct 660
 tgcgnncggg tggntcgncg cnannttngg ngnatgntnc aggaggtcct t 711

<210> 5167
 <211> 549
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(395)
 <223> similar to gi407139 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5167
 cgcctttgta gaaatgagtt ccagcagctt tatgggaata tctaatatga cacaactgga 60
 aagctcaact agtaaaatgc ttaaagcagg cataagagga attccgccta aaattgaagc 120
 tcttccatct gatatcagca ttgatgaagg caaagttcta acagtagcct gtgctttcac 180
 gggtagcctt accccagaag taacatgggt ctgtggtgga agaaaaatcc acagtcaaga 240
 acaggggagg ttccacattg aaaacacaga tgacctgaca accctgatca tcatggacgt 300
 acagaaacaa gatggtggac ttatatccct gagtttaggg aatgaatttg gatctgactc 360
 tgccactgtg aatatacata ttcgatccat ttaagagggc ctgtgccctt atactctaca 420
 ctatttctta acttttcgca aacgtttcac acggactaat ctttctgaac tgtaaatatt 480
 taaagaaaaa aaaagtagtt ttgtatcaac ctaaatgagt caaagttcaa aaatattcat 540
 ttcaatctt 549

<210> 5168
 <211> 1101
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (247)...(868)
 <223> similar to gi5824602 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5168
 gaccacgcca agcttgccac gaggccagaa cctgaaaagt gtcagagcgt atcttcagct 60
 ggtgaacttg aaacagaaaa ctatgaaaga gacagcttgc tagcaactgt tccagatgag 120
 caggattgtg ttactcaaga agtgccagac tcccgccagg cagaaaactga agctgaagtg 180
 aaaaagaaga agaacaagaa gaagaacaaa aaggtgaatg gtctgcctcc tgaaatagct 240
 gctgttcctg agctggcaaa atactgggcc cagaggtaca ggctcttctc ccgttttgat 300
 gatgggatta agttggacag agagggctgg ttttcagtta cccccagaa gattgctgaa 360
 cacattgctg gccgtgttag tcagtccttc aagtgtgacg ttgtagtaga cgcattctgt 420
 ggagttggag gaaataccat tcagtttgcc ttaacaggaa tgagagtgat tgccattgat 480
 atcgatcctg ttaagattgc ccttgctcgc aataatgcag aagtttatgg gatagcagat 540
 aagatagagt tcatctgtgg agatttcttg ctgctggctt cttttttaa ggctgatgtt 600
 gtgttcctca gcccaccttg gggagggcca gactatgcca ctgcagagac ctttgacatt 660
 agaacaatga tgtctcctga tggctttgaa attttcagac tttctaagaa gatcactaat 720
 aatattgttt attttcttcc aagaaatgct gatattgacc aggtggcatc cttagctggg 780
 cctggagggc aagtggaaat agaacagaa ttccttaaca acaaattgaa gacaatcact 840
 gcatattttg gtgacctaat tcgaagacca gcctctgaaa cctaactatg cagcagtgcg 900
 aggacaaaag atcatggagt ggtcaaaata ttcagatgag acatttggca tgtcttcctt 960
 tattcactga tttttctac ccatgggtctt atatcacctg atgaaatgga aacttacagg 1020
 acttaaatat cagtgaata ttttgagatc tttgaataat tccttttagag gaattataca 1080
 aaattaatat atatgagtcc t 1101

<210> 5169
 <211> 2237
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (63)...(839)
 <223> similar to gi3043598 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5169
 cgacgcgcgc tgcggacccg gctcgaccca cgcgtacgcg gacgcgtggg cggacgcgtg 60
 ggcgccagca ttcgctcaag aagtcccgca tggagaatga catggcccag tctctccaca 120
 gtgacacggc tgatgacact gcccatcgcc ctggcaagag caacctcaag ctgccaaagg 180

gcattctcaa	gaagaagggt	tcagcctctg	cagaaggggt	acaggaggac	cctccggagc	240
tcagcccaat	ccctgcgagc	ccagggcagg	ctgccccct	gctccccaag	aagggcattc	300
tcaagaagcc	ccgacagcgc	gagtctggct	actactcctc	tcccagagccc	agtgaatctg	360
gggagctctt	ggacgcaggt	gacgtgtttg	tgagtgggga	tccaagaggag	cagaagcctc	420
cgcaagcttc	agggctcctc	ctccatcgca	aaggcatcct	caaactcaat	ggcaagtctt	480
cccagacagc	cttgagagtc	gcggccccc	ccaccttcgg	ctccctggat	gaactcgccc	540
cacctcgccc	cctggcccgg	gccagccgac	cctcaggggc	tgtgagcgag	gacagcatcc	600
tgtcctctga	gtcctttgac	cagctggact	tgctgaacg	gctcccagag	ccccactg	660
ggggctgtgt	gtctgtggac	aacctcacgg	ggcttgagga	gccccctca	gagggccctg	720
gaagctgcct	gaggcgctgg	cggcaggatc	ctttggggga	cagctgcttt	tccctgacag	780
actgccagga	ggtgacagcg	acctaccgac	aggcactgag	ggtctgctca	aagctcacct	840
gagtggagta	ggcattgccc	cagcccggtc	aggctctcag	atgcagctgg	ttgcacccc	900
aggggagatg	ccttctcccc	cacctccag	gacctgcac	ccagctcaga	aggctgagag	960
ggtttgcagt	ggagccctga	gcagggctgg	atatgggaag	taggcaaatg	aatgcgcca	1020
aggggttcagt	gtctgtcttc	agccctgctg	aacgaagagg	ataactaaaga	gaggggaacg	1080
ggaatgcccc	cgacagagtc	cacattgcct	gtttcttgtg	tacatggggg	ggccacagag	1140
acctggaaa	agaactctcc	cagggcccat	ctcctgcac	ccatgaatac	tctgtacaca	1200
tggtgccttc	taaggacagc	tccttcccta	ctcattccct	gccaagtgg	ggccagacct	1260
ctttacacac	acattcccgt	tcctaccaac	caccagaact	ggatggtggc	acccctaata	1320
tgcatgaggc	atcctgggaa	tggtctggag	taacgcttcg	ttatttttat	ttttattttt	1380
atttatttat	ttattttttt	gagacggagt	ttcgctcttg	gtgccaggc	tagagtgcaa	1440
tggcgcgatc	tcagctcacc	tcaacctccg	cctcccgggt	tcaagcgatt	ctcctgcctc	1500
agcctcccta	gtagctggga	ttacaggcgc	ccgccaccat	gcccggctaa	ttttgtattt	1560
ttagtagaga	cagggtttct	ccatgttggt	caggctggtc	tcaaaactccc	gacctcaggt	1620
gatccaccca	cctcggcctc	ccaaaagtgt	gggattacag	gcgtgagcca	ccgcgcccc	1680
cctaaccctt	ccttattttag	cctaggagta	agagaacaca	atctctgttt	cttcaatggt	1740
tctcttccct	tttccatcct	ccaaaacctg	cctgagcctc	ctgaagtgtc	tgctgtgaat	1800
ctgaaagact	tgaaaagcct	ccgcctgctg	tgtggacttc	atctcaagg	gcccagcctc	1860
ctctggactc	caccttggac	ctcagtgact	cagaacttct	gcctctaagc	tgctctaaag	1920
tccagactat	ggatgtgttc	tctaggcctt	caggactcta	gaatgtccat	atttattttt	1980
atgttcttgg	ctttgtgttt	taggaaaagt	gaatcttgct	gttttcaata	atgtgaatgc	2040
tatgttctgg	gaaaatccac	tatgacatct	aagttttgtg	tacagagaga	tatttttgca	2100
actatttcca	cctcctccca	caacccccca	cactccactc	cacactcttg	agtctcttta	2160
cctaattggtc	tctaccta	ggacctccgt	ggccaaaaag	taccattaaa	accagaaagg	2220
tgattggaaa	aaaaaaa					2237

<210> 5170

<211> 1462

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(618)

<223> similar to gi736727 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5170

actagatcta	gatctcttta	atgccattct	gatcgaaacg	ccattagctc	cattcttcca	60
agactgcatg	tctgaaaatg	ctctagatga	actgaatatt	gaattgctac	gcaataaact	120

atacaagtct	taccttgagg	cattctataa	attctgtaag	aatcatgggtg	atgtcacagc	180
agaagttatg	tgtcccattc	ttgagtttga	ggccgacaga	cgtgctttta	tcatcactct	240
taactccttt	ggcactgaat	tgagcaaaga	agaccgagag	accctctatc	caaccttcgg	300
caaactctat	cctgaggggt	tgcggctggt	ggctcaagca	gaagactttg	accagatgaa	360
gaacgtagcg	gatcattacg	gagtatacaa	acctttat	gaagctgtag	gtggcagtg	420
gggaaagaca	ttggaggacg	tgttttacga	gcgtgaggta	caaatgaatg	tgctggcatt	480
caacagacag	ttccactacg	gtgtgtttta	tgcataatgta	aagctgaagg	aacaggaaat	540
tagaaatatt	gtgtggatag	cagaatgtat	ttcacagagg	catcgaacta	aaatcaacag	600
ttacattcca	attttataac	ccaagtaagg	ttctcaaagt	taaaaaatta	taaatgttaa	660
aagggaagta	ttgaagaaaa	taaaagaaat	tatgttatat	tatctagact	acacaaaagt	720
aagccacact	atatcttcat	gagttgcaaa	tccatggaaa	cacagtaaac	cagccctgaa	780
acaaagcatt	tccttgtttt	cagtgggtatt	agatcttggt	tccacatgtc	tgtctcattc	840
ttcactgggc	cttacagggt	agttttaatt	aactctatgg	tatttttctt	attcttggtt	900
gatcatgtta	aaaattggac	ctaataaaaag	tattttattc	ttgcttttcc	atgcttctct	960
acagggtccaa	atactgaatg	tctcctttac	tttttctctt	ttaaattttt	ttctagacag	1020
ggtctcactc	tgtcacctag	gctacagtgc	agtgggtgtga	tcacagctca	ctgcagcctc	1080
gacttcccag	gctcaagtga	tcctcccagc	tctcagcctc	caaagtagct	ggcactacaa	1140
gtgtacaccc	ccacacaagg	ctaagttttg	tattttttgt	agagacaggg	tttcaacata	1200
ttatccaggc	tgggtgtcgaa	ttcctgggct	ccagggatcc	acagtcccc	ttggcctccc	1260
aaagtgtctg	gattacatgc	atgagccact	gtgctgggct	tcattttacat	tttaactgtc	1320
tgttccttgc	ctagattcac	agaaatccaa	agctgtatgt	agtcaacatg	gttcacaagt	1380
ggtggaaaat	gtgctttttt	gctttgtttt	ggtttgtttc	ggtttgtttt	gagacagaga	1440
ttccctctgt	cgcccaagct	ag				1462

<210> 5171

<211> 2287

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1727)

<223> similar to gi5868898 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5171

atgagcgccg	ccacccactc	gcccattgatg	caggtggcgt	ccggcaacgg	tgaccgcgac	60
cctttgcccc	ccggatggga	gatcaagatc	gacccgcaga	ccggctggcc	cttcttcgtg	120
gaccacaaca	gccgcaccac	tacgtggaac	gacccgcgcg	tgccctctga	gggccccaa	180
gagactccat	cctctgccaa	tggcccttcc	cgaggaggct	ctaggctgcc	gcctgctagg	240
gaaggccacc	ctgtgtaccc	ccagctccga	ccaggctaca	ttccatttcc	tgtgtccat	300
gaaggcgctg	agaaccggca	ggtgcacct	ttccatgtct	atccccagcc	tgggatgcag	360
cgattccgaa	ctgaggcggc	agcagcggt	cctcagagg	cccagtcacc	tctgcggggc	420
atgccagaaa	ccactcagcc	agataaacag	cgtggacagg	tggcagcggc	ggcggcagcc	480
cagccccag	cctcccacgg	acctgagcgg	tcccagtcct	cagctgcctc	tgactgtctca	540
tcctcatcct	cctcggccag	cctgccttcc	tccggcagga	gcagcctggg	cagtcaccag	600
ctcccgcggg	ggtacatctc	cattccgggtg	atacacgagc	agaacgttac	ccggccagca	660
gccagccct	ccttccacca	agcccagaag	acgcactacc	cagcgcagca	gggggagtag	720
cagaccacc	agcctgtgta	ccacaagatc	cagggggatg	actgggagcc	ccggcccctg	780
ggggcgcat	ccccgttcag	gtcatctgtc	caggggtgat	cgagccggga	gggctcacca	840

gccaggagca	gcacgccact	ccactcccc	tcgcccatcc	gtgtgcacac	cgtggtcgac	900
aggcctcagc	agcccatgac	ccatcgagaa	actgcacctg	tttcccagcc	tgaaaacaaa	960
ccagaaagta	agccaggccc	agttggacca	aaactccctc	cgggacacat	cccaattcaa	1020
gtgatccgca	aagaggtgga	ttctaaacct	gtttcccaga	agccccacc	tcctctgag	1080
aaggtagagg	tgaaagtcc	ccctgctcca	gttccttgtc	ctcctcccag	ccctggccct	1140
tctgctgtcc	cctcttcccc	caagagtgtg	gctacagaag	agagggcagc	cccagcact	1200
gcccctgcag	aagctacacc	tccaaaacca	ggagaagccg	aggctcccc	aaaacatcca	1260
ggagtgtcta	aagtgaagc	catcctggag	aaggtgcagg	ggctggagca	ggctgtagac	1320
aactttgaag	gcaagaagac	tgacaaaaag	tacctgatga	tcgaagagta	tttgaccaa	1380
gagctgctgg	cctggattc	agtggacccc	gagggacgag	ccgatgtgcg	tcaggccagg	1440
agagacggtg	tcaggaaggt	tcagaccatc	ttggaaaaac	ttgaacagaa	agccattgat	1500
gtcccaggtc	aagtccagg	ctatgaactc	cagcccagca	accttgaagc	agatcagcca	1560
ctgcaggcaa	tcatggagat	gggtgccgtg	gcagcagaca	agggcaagaa	aaatgctgga	1620
aatgcagaag	atccccacac	agaaacccag	cagccagaag	ccacagcagc	agcgacttca	1680
aaccccagca	gcatgacaga	cacccctggt	aacccagcag	caccgtagcc	tctgccctgt	1740
aaaaatcaga	ctcggaaccg	atgtgtgctt	tagggaattt	taagttgcat	gcatttcaga	1800
gactttaagt	cagttggttt	ttattagctg	cttggtatgc	agtaacttgg	gtggaggcaa	1860
aacactaata	aaagggctaa	aaaggaaaat	gatgcttttc	ttctatattc	ttactctgta	1920
caaataaaga	agttgcttgt	tgtttgagaa	gtttaacccc	gttgcttggt	gttctgcagc	1980
cctgtctact	tgggcacccc	caccacctgt	tagctgtggt	tgtgcactgt	cttttgtagc	2040
tctggaactg	aggggtagat	ggggagtcaa	ttacccatca	cataaatatg	aaacatttat	2100
cagaaatggt	gccattttta	tgagatgatt	ttcttcatct	cataattaaa	atacctgact	2160
ttagagagag	taaaatgtgc	caggagccat	aggaatatct	gtatgttgga	tgactttaat	2220
gctacatttt	aaaaaaagaa	aataaagtaa	taatataact	caaaaaaaaa	aaaagtcgac	2280
gcggccg						2287

```
<210> 5172
<211> 2243
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(750)
<223> similar to gil256378 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5172						
tcctcccggc	cagccacca	gaccatgaac	tttttttggc	agagagctga	gatcttggga		60
gccctgggtct	ctgtactgtc	catctgggtc	gtgacggggg	tactggtgta	cctggctgtg		120
gagcggctga	tctctgggga	ctatgaaatt	gacgggggga	ccatgctgat	cacgtcgggc		180
tgcgctgtgg	ctgtgaacat	cataatgggg	ttgacccttc	accagtctgg	ccatgggcac		240
agccacggca	ccaccaacca	gcaggaggag	aacccagcg	tccgagctgc	cttcattccat		300
gtgatcggcg	actttatgca	gagcatgggt	gtcctagtgg	cagcctatat	tttatacttc		360
aagccagaat	acaagtatgt	agaccccatc	tgcaccttcg	tcttctccat	cctggtcctg		420
gggacaacct	tgaccatcct	gagagatgtg	atcctggtgt	tgatggaagg	gacccccaa		480
ggcgttgact	tcacagctgt	tctgatctcg	ctgctgtcgg	tggagggggg	agaagccctg		540
cacagctctgc	atatctgggc	actgacggtg	gcccagcctg	ttctgtctgt	ccacatcgcc		600
attgctcaga	atacagagcg	ccaggctgtg	ctgaagacag	ccagcagccg	cctccaaggg		660
aagtccact	tccacaccgt	gaccatccag	atcgaggact	actcggagga	catgaaggac		720

tgtcaggcat	gccaggggccc	ctcagactga	ctgctcagcc	aggcaccaac	tggggcatga	780
acaggacctg	caggtggctg	gactgagtgt	cccccaggcc	cagccaggac	tttgccctacc	840
ccagctgtgt	tgtaaaccag	gtccccctcc	tgacctctgc	cccactccag	gaatggagct	900
cttcccagcc	tcccatctga	ctacagccag	ggtggggact	cagcgggtat	aaagctagt	960
tgaccctgct	cttccagctc	ctggggccagc	tctggaagg	ctgtatttgg	gcctaatacct	1020
cagcaaatgt	tctaccactc	gcagggggcaa	aggtggtgag	ccacgggacg	tccaagggga	1080
ggctggcccc	agcgcgccc	tactgcctgc	ctcatgcccc	attctcagcc	tggctggcct	1140
ttgcctttat	gaatctgagc	ccctccatct	gcctatagca	ataggcacgg	gggtgaggac	1200
cctcacactc	tcatttgagc	ctccctgagg	cagggagcca	ggaggcacct	gaggcctatc	1260
tgtgccttag	tcacttcagc	tatgagccaa	atgttccctt	tcctggagg	gagaggcttc	1320
ttactaggta	agagacaggt	ttcctctttc	cttatttcct	cagctgtgcc	aacacaaaaa	1380
acaacttttg	cacaggtggt	gggcaggggg	tagagagatt	tcagcttggg	ttctgcacta	1440
acagcctcca	agccccctgg	cacttctgtt	gccctgagag	tgtcccagg	gattcagagt	1500
ctccagaaa	atatggctgg	gccaactctg	ttgcctacct	ggcctgacct	agtcggagcc	1560
tgacatggtg	gagggaaagg	gagacaagt	gggctgcact	cggccagag	gccagctagg	1620
agggaaaccg	cagcttccctg	gggcttgtgt	gtgaagattc	ctgacttagg	ggtggctttt	1680
gtttacaaga	tgcaagagg	gaaacctgtc	cccagctcat	cgagacaaca	tgccagttta	1740
tcagggagtc	ctgtgtcaca	aggtctgtct	ctgccattgt	aagcaagtgc	cttgggagc	1800
ctggcctctg	ccccacagtc	tcatctgtac	accgacagg	ttgatgcctc	cctcacagg	1860
ttgagaacaa	gagccagttg	gccaaagtacc	tgtggttgtt	gaagattggt	tacttttacc	1920
atcctgggga	caggggaactc	tgtggcccga	ggctgcctca	ctgaggagtc	aggtgggctt	1980
cccagcctcc	ccaggggcag	tgctgagttt	gtcttgactg	ttctggccca	aggtgggagg	2040
aggtgggttt	ggtcacttgc	ctcccacttt	aaatctctgt	ctttccatct	gtgaaatgac	2100
ctctttgtgc	cttcccagca	ctgtcatcct	gatcgctgt	gttctaggta	gatgggtcct	2160
tcagcccctc	caggtctgtg	aaaagtctgt	ggaaagcact	ggcctggaga	ggggtggggg	2220
gttgctggtg	ggtgctccat	tcc				2243

<210> 5173

<211> 1381

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1382)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (1202)...(862)

<223> similar to gi2984584 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5173

tttttttttt	ttagtttttt	ttgaatatat	ttacaatata	aataactaatt	tgttttccaaa	60
gtacatatcc	ttttaacaat	ttgagaaaa	tatctagcat	acgacgagta	atttaaatgta	120
aagactctat	agtagtgatt	aaggaaaaat	agaactgttt	tgggggataag	gaatcctggg	180
ctatgaatgg	gcatgatgat	ctgaacttgc	aaagggaaa	tgaagcagct	tcagtccacc	240
attggcactg	ctaatacaca	tatgtttaa	gactactatg	tgagatagca	acctggatat	300
ggtgttaata	aaaactaaac	atgagaggat	ataaaaagta	cacatgcttg	gcataggtgt	360

gttactttta	aagaagctca	acatttttatt	ctcatttttca	ataacttaaa	tgaacagcac	420
ttaacacatt	acacaaaatt	aaagacttgt	gcataatatt	gatttcaaca	ttaatgtcaa	480
aaatacatag	tatgatttta	cataggattt	gtgctacatt	agaacactag	agacaaacat	540
cacttgagta	ttaaggaaaa	cattaaatat	taaataactg	agaaaatgtg	taaacactaa	600
tctaactggg	ggttttgcta	ttgcaacatg	tccaatgaag	tggtttcaac	agtacaaaaa	660
ggattaggac	atgagttttt	ccagtctaca	tggaaatatat	ggatttcatt	tcaggaatcc	720
tttcataaaa	actgggtccag	gataacagga	gagaatccac	tctcctgatt	gttaatttgg	780
tacactccat	tctatgctaa	tttttacttg	caaacttggg	tactgagtaa	atactttaaa	840
tcatcactcc	ttatcaacat	cttggtgaaa	actgaggggt	tgttggtgat	tcagtgtaa	900
atttgagttc	atatgcagca	ccgctatcaa	cctccattga	ctttctagag	aacaggagcc	960
gtacgtctct	atggaggtag	atctttccag	atttagaact	ctggaacctc	agatgtatga	1020
ggtagcgtaa	taaccgttct	tctgtgtgtc	ggatgttctc	tttattaaca	cttctcttca	1080
cttcttgttt	aacaggtaca	gaaaaagttc	tttgtcgtag	gaatgtctga	tgattggctg	1140
gcatactctg	taaatcatat	atcacaacaa	acatcttcac	cacagtctta	ttaggattaa	1200
ataaggtcac	ttgtattggt	cctgaaggag	gtactcgata	acccctttta	ccaagggact	1260
ctaaagtaat	nacacccata	taaggagagg	gagnattgtc	atntgaaaca	ctgtagaatg	1320
acacttcaac	tggnagagtc	aaatgtgtgg	ggcagaaagc	accacttgcc	cctacctcgg	1380
c						1381

```

<210> 5174
<211> 1586
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1222)...(950)
<223> similar to gi5809683 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5174	
aaatgcacat	ctcatggcag ctaagccaca tggctgggat ttaaagcctt tagagccagc 60
ccatggcttt	agctacctca ctatgctgct tcacaaacct tgctcctgtg taaaactata 120
ttctcagtg	agggcgagaga ggtctaacac caacataagg tactagcagt gtttcccgta 180
ttgacaggaa	tacttaactc aataattctt ttcttttcca tttagtaaca gttgtgatga 240
ctatgtttct	attctaagta attcctgtat tctacagcag atactttgtc agcaataacta 300
aggaagaaa	caaagttgaa ccgtttcttt aataatgctg atctactttt tgttgaattt 360
gtattttatt	tcaagtgtca aagaaatcat ctttgtttat ttagatgaaa ccaaactacta 420
cacatttaca	ctcacactgc ttccaggacc caagggtttc acagaccatt tgcctacctg 480
gttcttttct	ctcctctttc cagtgttttc tagaatccc tttcaaagga ccacatgaat 540
atacgaactg	taaaattcaa ctttgatctt ttgcgaaatg ttttatttac tgcttaaaat 600
ctaggtgggt	ggatatattc atgtatgcat atattgatag attaatataa acataagtat 660
gtattttaat	tgaaggataa gtaaagttag agtacaacag cccattctt agttaaaaag 720
aaaagaaaa	gacaagagca agccactgcc accacaggta ccagcactta aatttgtcag 780
caggctgacc	aaagagtggc ctgtctgttg gcattcatcg gacatggcag ctcccttcag 840
ctctccagtg	agtttcaagt tcagagcact ttcagtcctt gtcttgttta tctattactg 900
aagggtttct	aggaagggtt agcagtgtct caattttctt agcatcattc tcaggttcat 960
cttctgttaa	actactttca attttctcag ggaggtgtct agtaacttgt agtctgcctt 1020
tccactcttc	cagtttttagc tcatggagtg cctttcgatc cttctgtttt ctttcttgaa 1080
cagtctcacc	agagtacttc tgaaatgcc a tcagcaggcc tctacagga gtgccagca 1140

```

aggctccaat tatgccacca gccaccaggc cacgcaggcc tacgtttatc ctaaaaagac 1200
ttcccgtgac agtcttttgc aaacagctcc cggaggcggt cccatccaga ttccgggtaa 1260
tagggctctg ggacgtaggg aagccgcttc tgacgctcct caaggacttc cgaatcggca 1320
gtcacagctt cggcagcaaa gactcgggga aataggcaca atgctctaca gagaaagctc 1380
cgcggtgccg gtggcggcac ctccatggcc ttctctcgac ctacggacaa acttgagcgc 1440
tcaggacttc aagtccctgc ggacgtgccg cgggagagcg taactgtacg aggtgagaat 1500
ccgtgcattt gacccagggt aaccctctgc cagagggctc gacacccaca ccttcagtc 1560
ccggcctcgc tttgcggacg cgtggg 1586

```

```

<210> 5175
<211> 1139
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1113)...(547)
<223> similar to gi3876299 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5175
tttttttttt taaaaatgtt agaaaaaaac atttattgac atgaaaaggg gtttcaaata 60
tactgatttg tcaaacaaat agtaaaacaa catagagtaa tgattcattt tggtaaaaaa 120
tatatatgta tatatagaaa aaaaaattct gcaaggacat atgctaaatt ggtaacagtg 180
cttacccttg ggaagggggg atacagatgt tgatttactc ttgggtacc tgtatttccc 240
agtttttcta taaatcacat catttgcttc tgtcataaga aaaaataata tctattatca 300
tcctttattt tgatcaaaac aaatcaattt tttaaaaaat cttagggttt ttaagaagc 360
agaaataatt tccaaattgc ctccagagac aatgatttta tcctctgcag aagctgggtca 420
gaaccttctt gatcacagcc ccagtttagat acagggaaga atggcgcttc ctacagcttc 480
agcggcctca gctcagctct gtgccccaa gccaaccag ctcatctcca gccccatcca 540
tcctattctt gctgagtcac cagtctcatc atcttcagag ccatgtcccc ttggtcagaa 600
ggaaccatat gaccagcttt cagaatccag tagaaagcaa ggttcttgta ggacttgaca 660
aaagcagatg tttccaaaga tttagggtca ctgtacaggg ccttccactt cagctgactg 720
aatttaggca gttctggcca cttcagtttc cgcacccagg cctcctgacc catggtatct 780
acgatgagat ccagctgtcc attatacacc gtcacgttga tccctgcctc cagcaactcg 840
tcacaaatgc taatgactgg ctcatgaag tcctcctcca tgttcacaaa gacgttggtta 900
gcctggcctc cccaggattg atcctcagga ataattttga gcttctttct gatggggcca 960
ttcatgagct ggcttaaggc atctcgttgt aggtgtctca cgtggcgctg acaaagacaa 1020
actagggtgc tctgtgtgaa ttctagactc gactccattg tagacgtggg agtgctttta 1080
gttaagatgt tatagaagtt caccatctct gtcccttctg tcgtcttctc gcagccgta 1139

```

```

<210> 5176
<211> 1397
<212> DNA
<213> Homo sapiens

```


<220>
 <221> misc_feature
 <222> (298)...(1011)
 <223> similar to gi264 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5176

ctcagagcgg	tggaattcga	acgcttttga	aagcgaatca	ggaaattact	tatcaatctg	60
aagccccata	taattatgaa	taatcctcgc	tgccaaaggg	aaggggattt	tgagcaaaaag	120
ctccacatct	gcgcacacta	gagttcaaag	actccagctg	ttggaaggtc	ttgtgagcaa	180
gagccaaaga	tgtttgtcct	gctctatggt	acaagttttg	ccatttgtgc	cagtggacaa	240
ccccggggta	atcagttgaa	aggagagaac	tactcccca	ggtatatctg	cagcattcct	300
ggcttgccctg	gacctccagg	gccccctgga	gcaaatgggt	cccctgggcc	ccatggctgc	360
atcggccttc	caggaagaga	tggtagagac	ggcaggaaag	gagagaaaag	tgaaaagggg	420
actgcagggt	tgagaggtaa	gactggaccg	ctaggtcttg	ccggtgagaa	aggggaccaa	480
ggagagactg	ggaagaaagg	acccatagga	ccagagggag	agaaaggaga	agtaggtcca	540
attggtcctc	ctggaccaa	gggagacaga	ggagaacaag	gggacccggg	gctgcctgga	600
gtttgcagat	gtggaagcat	cgtgctcaa	tccgcctttt	ctgttgcat	cacaaccagc	660
taccagaag	aaagactacc	tattatattt	aacaaggtcc	tcttcaacga	gggagagcac	720
tacaaccctg	ccacaggga	gttcatctgt	gctttcccag	ggatctatta	cttttcttat	780
gatatcacat	tggctaataa	gcctctggca	atcggaactg	tacacaatgg	gcaataccgg	840
ataaagacct	tcgacgcaa	cacaggaaac	catgatgtgg	cttcggggtc	cacagtcac	900
tatctgcagc	cagaagatga	agtctggctg	gagattttct	tcacagacca	gaatggcctc	960
ttctcagacc	caggttgggc	agacagctta	ttctccgggt	ttctcttata	cgttgacaca	1020
gattacctag	attccatata	agaagatgat	gaattgtgat	caggaccaag	atccctgtgg	1080
taaacactct	gattgaatct	ggggttccag	aaggtggaac	aagcaggaat	gggatccaaa	1140
gagactccca	ctcagattct	aaagcattta	aagacaattc	tagcagaatt	tatcaaaaaca	1200
agatgaaaca	cagaaaagtt	gaaaccacaa	caaatgaat	tctattaaag	aatagcccca	1260
gatataaatt	ctcttgaaag	caatgttcat	aaatatttaa	gcaaattaaa	gacaatgtta	1320
acaaattttc	tattaaatgc	cctgagtgat	aaaaccagtt	ggcaataata	ttgccttatt	1380
aaatcttcaa	aaaataa					1397

<210> 5177
 <211> 1096
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)...(650)
 <223> similar to gi3882225 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5177

gtcagtgtgg	tggaattcgg	ctctgtgaag	aaaaggggat	gctttccatc	agaagatcat	60
ctagaggagt	ttatagcaga	acatctccct	gaagcatcca	atcagagtct	cctcactggt	120
gcccatgcag	acacaggcat	ccaaaccaac	ggtgacctgg	aagacctgga	ggagcatggg	180

ccagggcaga	cagtctctga	ggaagccaca	gaagttcaca	tgatggaggg	ggacccagac	240
acactggccg	aacttctgat	cagggatgta	cttcaggagc	tgtccagtta	caacggcgag	300
gaggaggacc	cagaggaggt	gaagacatcc	ttgggagttc	cacaacgtgg	tgacctggaa	360
gacctggagg	agcatctgcc	agggcagaca	gtctctgagg	aagccacagg	ggttcacatg	420
atgcaggtgg	acccagccac	accggcaaag	aaattggaag	actccaccat	tacaggcagc	480
caccagcaga	tgtcagcaag	tccttcctct	gcacctgcag	aagaagcaac	agaaaagacc	540
aaagtggaag	aggaagtga	aaccagaaaag	ccaagaaga	aaaccaggaa	gcccagcaag	600
aaaagccggt	ggaatgtcct	gaaatgttgg	gacattttta	atatatttta	gagacctctg	660
aagattcctc	gaccaccagg	aagggccccc	acgtggggat	gtcaacatgg	ctcagacttg	720
atgtggatcg	tgatcatttc	gggaaatgtg	ttactccaaa	aactttttata	atctttgctt	780
aatttgtttt	taaatacttt	cctggctggg	cgtggtggct	tatgcctgta	atcccagcac	840
tttgggaggg	cgaggcgggt	ggatcacctg	aggtcaggag	ttcaagacca	gcctggccaa	900
caaggtgaaa	ccccgtctct	actaaaaata	caaaaattag	ctaggcgtgg	tggcgactc	960
ttgtagtccc	agctatttgg	gaggctgagg	caggagaatc	acttgacctc	aggaggcgga	1020
ggttgcagtg	agccgagatc	atgccactgc	accccagcac	ctggctacag	agtgagactt	1080
tgtctcaaaa	aaaaaa					1096

<210> 5178
 <211> 1108
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1108)...(381)
 <223> similar to gi2650265 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5178						
tttttttggg	aggtacaatt	ttaaaaataa	tacactagat	acgtttttcc	taaagcagta	60
gatgacattc	aataagccat	gttatagata	actaataaca	atgctaacag	ggtcaaacca	120
aaaaaaaggc	acaggtcttt	cacatgtttt	cattagattt	gtttaggcca	agttttacaa	180
ttcacatctc	catttttggca	agtaatttcc	tactgcaa	atatttttct	gagaaacaac	240
tcaaataatt	taatttcaat	taagaaatta	aatcaactca	aataggaat	aagacaaact	300
cattatgctt	gcttcagcat	ttccttctac	cgtgcccaaa	aatgctgggg	tcttcaattg	360
gtaaaagtta	tcttgtatgg	cttgccattg	acaatggcag	ataaagctga	tcgggggatc	420
ttgccagatc	tggttttggg	tagctgtttg	acaaacactg	catttcgaaa	agcagccaca	480
gggccaatgt	tctgtctaac	gtgtttcaca	atcttctcca	aaacttgctc	ctctgttgca	540
tttatatctt	ttctcaatac	acagagtgtc	aaggggacat	gaccttttaa	gggatcttcc	600
ttgccaaaca	cagcacagtc	tgccacggta	ccatgggaaa	ggattgactc	ttcaatggcg	660
cctgcagaaa	ttctgtgacc	tgcaacattt	attacatcat	ccactcgaga	cataacatac	720
aaatagcctt	cttcatccat	gtaaccagca	tccatgggtat	cataatatcc	aggaaatttt	780
tcaaagtata	aatgcttgaa	tgcttctctga	ttcttccaga	gtcctgaaaa	agccccaggt	840
ggcaatggta	actttaccac	aatatttctc	aaacaccgag	ccttcagttt	ttgcatgttg	900
tcatccaaaa	tcataacatt	gtatcctggg	acgctttttc	ctgcttgccc	tggtggaggt	960
gtttttagaat	tgccataatc	aacacatgac	gcagtaattg	gagatccagt	ctcagtttgc	1020
caccaatggg	ctaagacagg	tactctgaag	acatttttgg	accattccag	ggtctctaca	1080
tcacatcggt	ctccagccga	attccacc				1108

<210> 5179
 <211> 1025
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (14)...(244)
 <223> similar to gi3777621 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5179
 tctctagtcg gtgcggtgga attcggagct gggcctccgg gactccgaca tggactacat 60
 ccagacggat gccatcatca actacgggaa ctccggggga cactggtga acctggatgg 120
 cgaggtcatt ggcatcaaca cgctcaaggt cacggctggc atctcctttg ccatcccctc 180
 agaccgcatc acacggttcc tcacagagtt ccaagacaag cagatcaaag cccctcact 240
 ggcagttcat tgagagcagg gggcttcctc acgtttcccc ctctccatg accccgtcag 300
 ccaagcacat ggaccccgat gcagccaagg ctggtgccat gagggctggt cacatgaaga 360
 gctgctgttg aggatgccgc cattgttctt ctgtgtccat tatgggaaga caatctggag 420
 ccaggcagag cctgtctttc ccaaagaagc tgaagtcttc ttctcttgaa cagtggggac 480
 catctaattc cttgagccct tttcctgttg gcttctagga agctcagagc tagattcagg 540
 ggtgcaccca gacctgtcct agcatgctcc tttccctaag gaccgagtct ttctgttgga 600
 attatcccat tctccatggg tgcctttgac tttggcctcc ttactggaaa ttagcggagc 660
 tgctgtttgc acacactgag ctgtgagggtg gctttccttg gaagtggatg atagtgtcct 720
 ctccctctct tgcctctctc tttctcctga gacaggatcc ccctggggcc taggtttgct 780
 cttttgttgt acaggggctg tccaggttag tgctgacctt catcccagaa cccctggga 840
 aaatatcccc tgtcctcaga gctgtgttcc cctccccaag gacagtgcag acttaactga 900
 gggagcctga taaaccttag ctgcatggca caattgcaat tttaaaatcc tttcttgaag 960
 ttgattggtg tttgtaattt gcttctcttt tttatttaat aaaatccaat gatccaaaaa 1020
 aaaaa 1025

<210> 5180
 <211> 1401
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (31)...(697)
 <223> similar to gi454325 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5180
 cgagaccact agtcagagc ggtggaattc gagagacagt atgaatgcc cgaatgtggg 60

gtggttcaga	tgttttatgt	ggctgagcca	aagcaagtgc	cccatattct	ctgtagtcct	900
tctatgaaga	atattaatcc	tttaactgcc	atgagctatc	taaggaagct	ggatacttct	960
gggttttcat	cgatcttagt	gacattgacc	aaggcagcag	tggctctgaa	aatgggagat	1020
cttgacatgc	acagaaatga	aatgaaaagc	cattcagaga	tgaagttggt	atgtggcttc	1080
attctggaac	ctcggctgtt	gattcaacag	agaaagggac	agattgttcc	aaccgagctt	1140
gcacttcact	tgaaggaaac	tcagcctgga	ttgcttgtgg	cttcagttct	gggcttgca	1200
aagaacaaca	aaattggaat	tgaagaagca	gattcctttt	ttaaggtgct	ttgtgctaag	1260
gatgaagata	caattcctca	gctcttggtg	gacttttggg	aagctcagct	agtggcatgt	1320
ctcccagatg	tggtaacttca	ggaactcttt	ttcaaactca	catcacagta	catctggaga	1380
ttgtctaagg	aggcagcctc	ctgacaccac	accattgcca	acatcggagg	atcttattct	1440
cctggtcatt	ccttggtaga	tatttggaa	aaaataatca	cactgactgt	gattgggtag	1500
atcacattcc	atattctcct	gtgagctctc	gaagatgctt	cattttgtag	aacggtgtaa	1560
gtggtttcca	ttccagcatg	aatgtggtcg	gtcacatggc	agtggagtaa	ccaaattcca	1620
ggtgttcttg	gaaacatttc	tagggtttgg				1650

```

<210> 5182
<211> 1069
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (24)...(718)
<223> similar to gi535185 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5182						
ctgatcttaa	ggataaccatt	ggctctgtca	ccaaaacacc	gagtgggttta	tacataattc	60
accagaagg	atctagctac	ccatttgagg	taatgtgtga	catggattac	agaggagggtg	120
gatggactgt	gatacagaaa	agaattgatg	ggataattga	tttccagagg	ttgtgggtgtg	180
attatctgga	tggatttgga	gatcttctag	gagaattttg	gctaggactg	aaaaagattt	240
tttatatagt	aaatcagaaa	aataccagtt	ttatgctgta	tgtggctttg	gaatctgaag	300
atgacactct	tgcttatgca	tcatatgata	atttttggct	agaggatgaa	acgagatttt	360
ttaaaatgca	cttaggacgg	tattcaggaa	atgctgggtga	tgcattccgg	ggtctcaaaa	420
aagaagataa	tcaaaatgca	atgcctttta	gcacatcaga	tgttgataat	gatgggtgtc	480
gccctgcatg	cctggtcaat	ggtcagtctg	tgaagagctg	cagtcacctc	cataacaaga	540
ccggctggtg	gtttaacgag	tgtggtctag	caaatactaaa	tggcattcat	cacttctctg	600
gaaaattgct	tgcaactgga	attcaatggg	gcacgtggac	caaaaacaac	tcacctgtca	660
agattaaatc	tgtttcaatg	aaaattagaa	gaatgtacaa	tccatatttt	aaataatctc	720
atttaacatt	gtaatgcaag	ttctacaatg	ataatatatt	aaagattttt	aaaagtttat	780
cttttcactt	agtgtttcaa	acataattag	caaaatttaa	ctgtagatgg	catttagatg	840
ttatgagttt	aattagaaaa	cttcaatttt	gtagtattct	ataaaagaaa	acatggctta	900
ttgtatgttt	ttacttctga	ctatattaac	aatatacaat	gaaatttggt	tcaagtgaac	960
tacaacttgt	cttcctaaaa	tttatagtga	ttttaaagga	ttttgccttt	tctttgaagc	1020
atttttaaac	cataatatgt	tgtaaggaaa	attgaaggga	atattttac		1069

<210> 5183
 <211> 1805
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1806)...(778)
 <223> similar to gi32391 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5183
 ttttagggcc agcgtctggg ctccatttga tcagggtcagc atttattagt aggaagcagt 60
 aacattttaca actggtcctc gggcaggaac cgggagggcc accacccgcg gccgcccacg 120
 cgagcccagc cttcaggagg agagagcagc gcggtccaatg cactgaggac aataccccaa 180
 cccgcctcga ggctcctgcg gctcctctaa gcctcactgg atgatctcca ccagagggtcc 240
 tcgctgcctt ccctgaggaa agggggcttt cgcaactggg gggcaacccc gccgggcttc 300
 accgtgggct agcagccggg gtgtccgcac tgttgctcgt ctgccttcat tcttggaatt 360
 ggggcgccact tggacccctg tttgggcagt gctggggggg gaggggggact aaactaacag 420
 cactttttcaa aaacatgggg gacattttaca caagagaggg ctccccaagc cagcttgccac 480
 tcacaaaata tagcattttct taaggaacca atggagcagg aaaaagaggg agtgggatag 540
 ggcgaaaccc caaagccact tggtttttcc aacacgtaaa cgagcaaata cagagtcccc 600
 caaatacctc agagaccaac cccccagtc cttttatttta aaaagaaaaa aaaaagaag 660
 aagaagtcca agtcgctgga gaggtttctg aaatcaagca ccaaacaccc acaaaggaaa 720
 acagcaacaa caacaaatcc gctgcccttg agcgtcccg ccagcaccgc gccgggtcag 780
 tctcctttgg ggcattttct cttgctcatc tttttcattt tcatcctacg gttctgaaac 840
 cagattttga cctgtctctc tgttaggttg agaactctgg ccacctcgta gcgccgggtcc 900
 cgggtgaggt acatggtgaa gaggaattct ttctccagct caagcgtctg gtatttggtg 960
 tagggacagc gctttttccg ggtggagcga gctgggatcc agttcgcggc ggggttggtt 1020
 ggggtcaagt gctgctgctg cggctgcgaa tgctgcttct cctcctcctt cagcgaacag 1080
 cctgggatcg ggtggtcgtg gcaagctgag ggctccgacg agccgcccgt ccagtcgcg 1140
 gccccgatcc ctgccccagg cccggttccc cccgtgcgag ctgcccctt ctctgcagg 1200
 aacgagttgc acgagaactc ggggcccgtg ctcccctggg actcccgggc cagggagcac 1260
 tcagtcctgt tggaggagga ggataaggaa gtggaggagg aggaggtggt ggaggcggcc 1320
 gtggcggggg ccggggccgc tcgggtttca ggcttaatcc cgtagtggcg cccgttggt 1380
 gggccgctgg ggccagggtt gggaccgcg cccggaccgc cgcctccacc accaccgcca 1440
 ccgcccgcac cgcgcgggaa gccgggcagc ggctccatcc aggagcgcac gtacggccg 1500
 ggctcggagg cagaggcggc caggggcggc gggggaacgt acgggtggtg gaggcgctc 1560
 atcgccgccc ctgcccgggg ctgggagggc accgcggacc acgaggcaga gaacacggcc 1620
 gatctggggg caaaactaca cgaggcgaac tcggcgggcg tggcgccgg gccatcagcc 1680
 acacctgcag gccggccctg cgcgcctggc cccggcgggc cgaagcgcgc cgcgaacacc 1740
 tcgtcgccct catggcctat aagcaggtcc acgtagtagt tgctgagggt gccactggaa 1800
 gacat 1805

<210> 5184
 <211> 774
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (4)...(379)
 <223> similar to gi3387798 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5184
 gcggaggact ttgcggctgt gcgggccgat gactcagagg tggatgggga ctgcagcctg 60
 actggacctt ctgcttttgt gggctcctat ggcacctccc cagaggggggt cggaggatac 120
 atccattccc atcggcccct gggccaaga gagtttgagt ccttcattga tgtctatgcc 180
 atccggagtg ctgaaggagc cccccagaag gaggtctact tcatgggcct cattgatatc 240
 cttacacagt atgatgccaa gaagaaagca gctcatgcag ccaaaactgt caagcatggg 300
 gctggggcag agatctctac tgtccatccg gagcagtatg ctaagcgatt cctggatttt 360
 attaccaaca tctttgccta agagactgcc tggttctctc tgatgttcaa ggtgggtggg 420
 ttctgagaca cttgggggaa ttgtggggat attctagcca ccagttctct tcttcctttg 480
 ctaaatccag gctgcaggct ccttccatcc agataactcc atcctgtcga gtaggctctt 540
 tctgaccctc agaaatacat tgtccttttt cctctttgcc catttttctt ccctctcttc 600
 ctccccatga gaagtctgct tgtagtatta gaatgttatt gttgactctc tcccaagtgc 660
 cttgatcttt gtaatatctc ctgttgtttc tatgatatag gagctagggg aagggggttg 720
 cttgccttct tcaggacctg actggacaga tggacctggc tcaagcaact actc 774

<210> 5185
 <211> 1582
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(742)
 <223> similar to gi498015 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5185
 gtggtgtcgt acatgacaca atgacgtggt tcggggccata tcctattgga actggacttc 60
 aggaataac ctttgtttat agttgttttc cctccttctg caagatgaaa agcaggatgt 120
 gcatggctat cagcatttgt cagacgcttt ccatgttgag ttttgtggtc tgtgctttca 180
 ggtacaggca tatgttcaaa aggggttggc caatgggtac atgttgtttg tttctgcca 240
 cagctgcccc agtgctcagc tgtgaagctg caacacagac tgaaaggaga ctggatctgg 300
 ctgcagtgac tctgaggaga ggcttgagat ctagagcttc gcgatgcaga ccgcggtctt 360
 tgatagatta caaatcctac atggacacca agctgctggt ggcgagggtc ctggagcagt 420
 cctcttgtag catgacccca gacatccatg aacttgtaga aaacattaaa tctgttttga 480
 aatctgatga ggagcacatg gaggaagcca tcacaagtgc cagttttcta gaacagataa 540
 tggccccatt gcagcccagc acatccaggg cccacaagct gccctcgcgg agacagcctg 600
 gcctgctgca cctccagagc tgcggcgacc ttcacacctt cacaccagcg gggaggcccc 660
 gagccgagag gagggccccg cgagtggagg ctgagcggcc acacagcctc attgggggtca 720
 tccgagagac tgtcctgtga accctggaag acagaaggcc actccaaggg gaaggatccc 780
 tctcctctct gccatttctt ggctgggagc tgtggtccac ctcaaaaaaa aggagcactc 840
 tggaggacac gttttcccac ctgttggtc cctgtgtctg tgactgaggg cattcaggag 900

taaatgcaca	ggtcggtcca	ggcccgtctg	ggtttgggat	gcactgagtt	ggaggttatg	960
aaagctttga	tcctcttctt	cctctgctgg	gcctcgcagc	attcccaagg	gtcacatgcc	1020
ctggcatggg	cagaaactgg	gctaattgatt	ctttgccac	ttcaccctc	gtgtctctct	1080
ttgttgctaa	gttctttccc	tcttggaagg	acagatctgc	cgggctgcta	tttatagttg	1140
cctttggcct	ttcactgctc	tgcgatttgg	caggaaataa	ggcgattaac	cctatgtgtc	1200
cacaagcctc	aagccttggt	tcaggtcacc	ctcaaatac	actctcttta	ggcaaacag	1260
gaaacttctt	aagtgacaaa	ttttaatgcc	agacatttaa	ggagaggatt	attgttgatt	1320
ccatttactc	atgcttgcaa	aactagagac	ccctaaggca	gaactgagaa	taaacatggt	1380
tactttgggc	cactgggctt	gatgtgtaat	atttgttatt	acatgtatcc	ttcgggctgt	1440
atcggtcatt	cagcaagcac	ttggctggat	ggcttcatgg	agctgccttc	tcatgggatc	1500
gcggacaata	aatcaataaa	gtaattacag	attggggatt	attgctaaaa	agagcaatag	1560
gtgggttagag	ggaattccac	ca				1582

<210> 5186

<211> 1949

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1940)...(348)

<223> similar to gi4314433 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5186

tttttttttt	cgttgaaaac	caataattta	tcaaaacgct	gcgtgtgtat	ggggggggga	60
ggggtgtccc	aacaaacagg	gcagcggggg	gcggaccac	aggcaggaaa	cggtgcccgg	120
aaaggggggg	cggcagcctt	gccactggct	aggccatcgc	gggcgggcag	gctagacatt	180
cttgccgcgc	aggcgcagtt	cgtggcgctc	cagggtggtt	tagagcgact	gcacataggt	240
gaagacacac	ttgggggtcag	gcttcttgcc	catgatcatc	atgtcgtcca	cctccaccag	300
gggcacacag	tccaccagca	tccgtggggc	cccgagcagg	ggttaggact	ttttggtttt	360
taccagcccc	ttctggacca	gacagcggta	gaattcctgg	atgtacgtgt	acacgcactt	420
ccagtcaggc	tctcgaagcc	gcaccatgtc	ctctgtatcc	aggagctgcg	ggcagtcgcg	480
atgggtctcc	gcagatgaga	aggccacctc	gaagttctgg	cgtcggttct	gagggctaag	540
ctgcccatag	tcgaaggcct	cagggaagaa	gttgtgcacc	agggcacaga	aggccatccc	600
atcactccag	ctggaggaga	agttctggat	gtcgacgtgc	tcgtagccgc	gagtcttggc	660
tcgacaccag	tccagcagca	tctgcttgat	gctgttggcg	ttggggaccc	cgaagctggg	720
ggatcgctgc	acggctgcgc	ggggctccgc	agggtgcgcg	gccgcgccct	ccttctccag	780
cttctcaatc	atggccttgc	gcgcctggga	ggctgaggtc	ttgggcagac	tctgcgcctt	840
catcagctct	ttcttcttct	cggcctgcgc	tttctcgagc	gccgccaggc	tgccggcccc	900
tgggctggcc	tggctctcgc	ggtcgaagat	gctgccatc	ttcttggtatg	aggaggaaga	960
ggagaaggtc	ttggtttgca	tcatgggtgt	gccactgcc	ttctccgagc	gcctcacgaa	1020
actcgactcc	actgtggttg	tgcgggccgt	ccgtgtgcca	tcattggagt	ggacgagccg	1080
ctcagtcttg	gtaacagtgc	tgacagcaga	gccatcagct	gcccgctggc	tgtgcctcgt	1140
ggtggtctca	gtggctgtgt	tgcgcgcgcc	ctccctggc	cggccccgtg	cctcctgcag	1200
ccgccgttcc	cgctccttgt	cccgtgggtc	tctcttctct	tgtcggagct	cacgaagtgc	1260
agccccgatg	agcttccgct	cttcaaagtc	cgtgctctga	tccagcatct	tgtccaagac	1320
tccttcatcc	tcaatagtca	tcagctcctc	agcgtcaga	gggctccgcc	cttctgggtgc	1380
tttggttact	cgggtctgct	cagccccatt	ggccacttcc	actgctgcag	cgagaggctc	1440
tgtctgctct	gcttccatct	tgatgctgca	gcctcctcgc	ctactggggg	gggcatggct	1500

gaagctggtg	acatgagtga	cactgcccag	ccgagccagg	gtcccagggc	tgttgacacg	1560
ggtgatggtg	ctcttgcccc	cactactggt	gctgagtagg	gtcgggggcg	cccgcagccc	1620
cagtgtcagt	tctgccctct	ggttgccctgt	gggcagcagc	acccggcctg	tggaggcctg	1680
gccacggccg	tccttgatct	cgatggtgaa	tgtggtcttc	atactgcccc	ctggctcggc	1740
agtgccgacg	gccacgggca	gcggggcacc	aggctcctct	gaacgtgcca	caggcccccc	1800
tgctctgttt	tcaaggggcc	tagcagccaa	gccccgcccc	ctggggccct	cctcctgggg	1860
gcagcttcga	agctggggcca	ggggctgggc	tactcctcgt	tgctccttgc	tgaaccggga	1920
ggaggtatca	ctgggccaat	tccaccacc				1949

<210> 5187
 <211> 1091
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1080)...(844)
 <223> similar to gi3342738 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5187						
atccgtccgc	tgaatttttt	ggaaaaacgg	aaaaaaccaa	gtgccttttag	gaaaaaaaaa	60
ggctggggcg	ggtggctccc	ccctgtgatt	cccgcccttt	gggaggccca	ggaaggagga	120
tccctggagg	cccggagttc	aaccagaccc	ccgttttttag	tatggcccaa	aaaaaaaaaa	180
tctgtagaaa	aatggaagag	attggggagg	gaggaaagag	gctgcctggg	tccaggttgt	240
gcctctgtgt	gaagagacac	cagcggctgc	cagtggggag	tgcgagtaaa	aggcctgcgg	300
gaggagatgt	ccgctctcag	gggctcggaa	gccccctcagc	ctcttgccctc	cccaacggga	360
gacatgtagg	aggccgagca	agctgggtgc	ccttgagaga	caggcccagg	cagggtctgtg	420
gccacagcag	ccctgggggc	tccccagcga	ggtggaggca	gaagttccag	gagcctggga	480
gccacccagg	gcaaggagtg	accctggaag	ccatccagcc	tcctggaaaag	tggaagtggg	540
ttaaaaacac	agtgggcttt	tccggttgct	agtaacacat	agaattacag	agttcacggt	600
ttagtcccag	acgggagact	gaggctcgag	actgaggaag	gcatctgccg	tccgggggttg	660
gagctcctga	ggaccaacac	ctgctcagcg	gctcggcccc	tggtctccct	gagatgctca	720
ggccggagag	aagcgggatg	atggttccag	agcgtcctcc	tccaagtctc	cgaggcccca	780
gcggcgggtc	gggcaccggg	agacccgcgg	ggctctcagt	ggcacatccg	ggcggtcatt	840
tctttcagtg	gctccagctc	cttggtgtcg	atgaggccga	actccttgac	gaaatagtag	900
aagtgcttgt	agcaggtggt	cacgtgggcc	tcggagccca	tctgcccgat	gcggtcaaag	960
tggtggatgt	agacgtgcac	gaacacgcgg	aacagccgca	acaggatctt	ccgcaccgtc	1020
tcgaggaagt	tcttgggaaa	cggagtgcc	acgttggtgg	ggaagaggtc	ctcgttgttg	1080
aagtcccgcc	a					1091

<210> 5188
 <211> 2014
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (18)...(1417)
 <223> similar to gi56494 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5188

tcgacccacg	cgtccggatt	tatgaagctg	atttgcagta	ccgtgtcacc	ctagattcac	60
taagacaaat	atcacgaagt	tttttctctg	gaactcaaga	gagaaagggt	caaaggaaca	120
tcacagttcg	aaaatcagaa	tgcactaagc	actccttcta	catgttggac	aagcatgact	180
ttcaggactc	tgtgagaata	acgttggact	ttaatcttac	cgatccagaa	aatgggcctg	240
ttcttgatga	ttctctacca	aactcagtac	atgaatatat	tccctttgcc	aaagattgtg	300
gaaataagga	aaaatgtatc	tcagacctca	gcctgcatgt	cgccaccact	gaaaaggacc	360
tgctgattgt	ccgatcccag	aatgataagt	tcaacgttag	cctcacagtc	aaaaatacaa	420
aggacagtgc	ctataacacc	aggacaatag	tgcattattc	tccaaatcta	gttttttcag	480
gaattgaggc	tatccaaaaa	gacagttgtg	aatctaatac	taatatcaca	tgtaaagttg	540
gatatccctt	cctgagaaga	ggagagatgg	taactttcaa	aatattgttt	cagtttaaca	600
catcctatct	catggaaaat	gtgaccattt	atttaagtgc	aacaagtgc	agcgaagaac	660
ctcctgaaac	cctttctgat	aatgtagtaa	acatttctat	cccggtaaaa	tatgaagttg	720
gactacagtt	ttacagctct	gcaagtgaat	accacatttc	aattgctgcc	aatgagacag	780
tccctgaagt	tattaattct	actgaggaca	ttggaaatga	aattaatatc	ttctacttga	840
ttagaaaaag	tggatctttt	ccaatgccag	agcttaagct	gtcaatttca	ttccccaata	900
tgacatcaaa	tggttaccct	gtgctgtacc	caactggatt	gtcatcttct	gagaatgcaa	960
actgcagacc	ccatatcttt	gaggatcctt	tcagtatcaa	ctctggaaaag	aaaatgacta	1020
catcaactga	ccatctcaaa	cgaggcacia	ttctggactg	caatacatgt	aaattttgcta	1080
ccatcacatg	taatctcact	tcttctgaca	tcagccaagt	caatgtttcg	cttatcttgt	1140
ggaaaccaac	ttttataaaa	tcataattttt	ccagcttaaa	tcttactata	aggggaggac	1200
ttcggagtga	aaatgcatct	ctgggttttaa	gtagcagcaa	tcaaaaaaga	gagcttgcta	1260
ttcaaatatc	caaagatggg	ctaccgggca	gagtgcatt	atgggtcatc	ctgctgagtg	1320
cttttgccgg	attgttgctg	ttaatgctgc	tcatttttagc	actgtggaag	attggattct	1380
tcaaaagacc	actgaaaaag	aaaatggaga	aatgaaatat	tttacgaaag	aaaataataa	1440
caattattca	ataatctatc	ctcaggtttg	cctcaaatat	gtgacaagaa	atgtataatt	1500
catgacatag	tcagttaact	atgtaatcca	tcagggattc	attacttgga	aaatgacagg	1560
gcatgcatta	tccaaaaaca	ataccaaaaa	gacatatatt	ataaaatgac	aaaaaatatt	1620
ttacataatt	actcattttt	gttgagtaag	caaaattaca	aagtgttttt	aaaaaaacct	1680
gtacaaatat	gtttatgtat	taaatcacca	tccaaaatat	ttaaggaata	tataaaaaga	1740
tttttatgat	catagaaaca	tctattttca	aaacaatata	aattaagctt	ttccccttga	1800
ttcctgttgg	atatccatgt	tcagcatgac	agtcagcact	cgtaaagtgc	aagaaaagaa	1860
ttacctgaaa	aagatcattt	ctccctattc	aaatgagaat	attttccctc	ggtagaatcc	1920
atatacaata	tggattgaaa	attaagtcac	gaagaatata	tttagcatct	ttgtgttggg	1980
ttctatacct	aaaaattttc	cctcccggcc	caag			2014

<210> 5189
 <211> 1291
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (947)...(502)

<223> similar to gi5020266 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5189

tttttttttt	ttcccagttt	caggtatgtc	tttatttagca	gtgtgaaaat	gaactaatac	60
agactggaag	ccttgtgaca	ggaaaactga	acatctgaga	catctatagg	aaaaaaagat	120
ctgcttacat	ccagtccttg	gagttccagt	agactgattt	attcaccaac	agcattgctc	180
ctccagctcc	attccaggag	acaggcaccc	cagaagtagc	aggactggta	gacatcacta	240
gtattgtata	tgtgttgggc	catgtttgtg	tgttgaggaa	gaggatgggg	aaaacaatga	300
tggtggtcac	caggtaaagt	ggggacccag	gaagggattg	caagtccagg	cccatgaac	360
acccccaaaag	aatgccccctc	ctcttggaag	taaaagtggg	tcttgatcc	aggagatca	420
acagttgcaa	ggctgatatt	aagagttgtc	tattggatct	gttctaaggg	atatgttatg	480
tgaagccaaa	ttaatgaagt	taggaagtca	cattacaagt	tgatgggtac	tttgtttcat	540
caacttgtag	aatttcttcc	ttttgaacct	ctttactggg	tgtagctgg	tgacttaggg	600
gtagggatgt	ggaggtgtc	ataggcccg	ctccgctctt	gggctgaag	ggaatcctat	660
gtatgcggca	gtatacaaag	tatgcaggga	tggggaggat	gacaatggca	aaaagggtga	720
tcatcaagag	cagtgcacac	ggtgggtatg	gtcgaagcac	ctcttttgag	gtgcttgagt	780
cccaggacat	gtaggtgatc	ggcttcatac	aaagatgaac	catcatggtc	acaaagatga	840
ttagcagcac	aactggacac	agatggggcc	acagccaacc	aaagatggga	gagatgggg	900
ggcccaacag	gatcgtcagg	tctgcaagga	acctggagaa	gggccaccag	agtgtgggat	960
gcccgattag	gcctcaccac	cttgagggca	gggccagccc	aaccttgga	tctttcaaac	1020
attctattgt	atctctaata	tctgttttca	tctcaagtct	tgtcctctct	catcttcccc	1080
ctagtcagtc	tgtcttctat	cctaaccctaa	gaaacttttc	caaacacccc	tctcctgctc	1140
aagaactttc	catgggtatc	caatggcctc	aggagaaagg	ccaagtctct	ttcattcatc	1200
ccataaatat	gagaatgtct	atgatgtgcc	aggaactctt	ttaagtgtct	gatatccagc	1260
agtgaacaac	acagataaaa	taaagtggca	t			1291

<210> 5190

<211> 1736

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (11)...(1009)

<223> similar to gi5834569 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5190

gtgcgaggaa	ttcggcgatc	aaggatattg	tggaaatcgat	gaatttgata	agatggggaa	60
tcaacatcaa	gccttgttgg	aagccatgga	gcagcaaagt	attagtcttg	ctaaggctgg	120
tgtggtttgt	agccttctctg	caagaacttc	cattattgct	gctgcaaata	cagttggagg	180
acattacaat	aaagccaaaa	cagtttctga	gaatttaaaa	atggggagtg	cactactatc	240
cagatttgat	ttggtcttta	tctgtttaga	tactccaaat	gagcatcatg	atcacttact	300
ctctgaacat	gtgattgcaa	taagagctgg	aaagcagaga	accattagca	gtgccacagt	360
agctcgtatg	aatagtcaag	attcaaatac	ttccgtactt	gaagttagtt	ctgagaagcc	420
attatcagaa	agactaaagg	tggttcctgg	agaaacaata	gatccattc	cccaccagct	480

attgagaaag	tacattggct	atgctcggca	gtatgtgtac	ccaaggctat	ccacagaagc	540
tgctcgagtt	cttcaagatt	tttaccttga	gctccggaaa	cagagccaga	ggttaaatag	600
ctcaccaatc	actaccaggc	agctggaatc	tttgattcgt	ctgacagagg	cacgagcaag	660
gttggaattg	agagagggaag	caaccaaaga	agacgctgag	gatatagtgg	aaattatgaa	720
atatagcatg	ctaggaactt	actctgatga	atttgggaaac	ctagattttt	agcgatccca	780
gcatggttct	ggaatgagca	acagggtcaac	agcgaaaaga	tttatttctg	ctctcaacaa	840
cgttgctgaa	agaacttata	ataatatatt	tcaatttcat	caacttcggc	agattgccaa	900
agaactaaac	attcaggttg	ctgatttttga	aaatttttatt	ggatcactaa	atgaccaggg	960
ttacctcttg	aaaaaaggcc	caaaagttta	ccagcttcaa	actatgtaaa	aggacttcac	1020
caagttaggg	cctcctgggt	ttattgcaga	ttaaagccat	ctcagtgaag	atatgcgtgc	1080
acgcacagac	agacagacac	acacacacac	acacacacac	acacacacac	acacacacac	1140
acacagtcaa	atactgttct	ctgaaaaatg	atgtcccaaa	agtattataa	taggaaaaaa	1200
gcattatata	taatacacta	atttaagaag	tgataaaagtc	tccagatgca	gtagctcaca	1260
ctgtaatcac	agtgactcag	gaggctgagg	tgagaggatt	ccttgaggcc	agggttcgag	1320
accaaccttg	ggcaacatgg	caagacccca	tttctttaat	tagtttatta	tatttaatgc	1380
ttttttccta	ttataatact	tttgggacat	cattttttcag	agaacagtat	ttgactgtgt	1440
gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	ctgtctgtct	gtgcgtgcac	gcataatcct	1500
cactgagatg	gctttaatct	gcaataaacc	caggaggccc	taacttggtg	aagtcctttt	1560
acatagtttg	aagctggtaa	acttttgggc	cttttttcaa	cgaggtaacc	ctggtcattt	1620
agtgatccaa	taaaattttc	aaaatcagca	acctgaatgt	ttagttcttt	ggcaatctgc	1680
cgaagttgat	gaaattgaaa	tatattatta	taagttcttt	cagcaacggt	ggtcga	1736

<210> 5191

<211> 2291

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1985)

<223> similar to gi3329465 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5191

gagatacccg	tgtaggcctt	tttgactactaa	gtgacattaa	agtaggcact	gaacttacct	60
tcaactacaa	cctagaatgt	cttgggaatg	gaaagactgt	ttgcaaagt	ggagccccga	120
actgcagtgg	cttcttgggt	gtaaggccaa	agaatcaacc	cattgccacg	gaagaaaagt	180
caaagaaatt	caagaagaag	caacaggga	agcgaggac	ccagggtgaa	atcaciaaagg	240
agcgagaaga	tgagtgtttt	agttgtgggg	atgctggcca	gctcgtctcc	tgcaagaaac	300
caggctgccc	aaaagtttac	cacgcagact	gtctcaatct	gaccaagcga	ccagcatgga	360
aatgggaatg	tccgtggcat	cagtgtgaca	tctgcgggaa	ggaagcagcc	tccttctgtg	420
agatgtgccc	cagctccttt	tgtaagcagc	atcgagaagg	gatgcttttc	atttccaaac	480
tggtatggcg	tctgtcttgt	actgagcatg	acctctgtgg	gcccaatcct	ctggaacctg	540
gggagatccg	tgagtatgtg	cctccccag	taccgtgcc	tccagggccca	agcactcacc	600
tggcagagca	atcaacagga	atggctgtct	aggcacccaa	aatgtcagat	aaacctctg	660
ctgacaccaa	ccagatgctg	tcgctctcca	aaaaagctct	ggcagggact	tgtcagaggc	720
cactgctacc	tgaaagacct	cttgagagaa	ctgactccag	gccccagcct	ttagataagg	780
tcagagacct	cgctgggtca	gggaccaa	cccaatcctt	ggtttccagc	cagaggccac	840
tggaacaggc	accagcagtg	gcaggaccaa	gacccagct	aagcgacaaa	ccctctccag	900
tgaccagccc	aagctcctca	ccctcagtc	ggtcccaacc	actggaaaga	cctctgggga	960

```

cggctgaccc aaggctggat aaatccatag gtgctgccag cccaaggccc cagtcaactgg 1020
agaaaacctc agttcccact ggcttgagac ttccgccgcc agacagactg ctcattacta 1080
gcagtcccaa accccagact tcagacaggg ctactgacaa accccatgcc tctttgtccc 1140
agagactccc acctcctgag aaagtactat cagctgtggg ccagaccctt gtagctaaag 1200
aaaaagcact gaggcctgtg gaccagaata ctcagtcaaa aaatagagct gctttgggtga 1260
tggatctcat agacctaact cctcgccaga aggagcgggc agcttcacct catcagggtca 1320
caccacaggc tgatgagaag atgccagtgt tggagtcaag ttcattggcct gccagcaaag 1380
gtctggggca tatgccgaga gctgttgaga aaggctgtgt gtcagatcct cttcagacat 1440
ctgggaaagc agcagcccct tcagaggacc cctggcaagc tgtaaataca ctcacccagg 1500
ccagacttct ttctcagcct cctgccaagg cctttttata tgagccaaca actcatgcct 1560
caggaagagc ttctgcaggg gctgagcaga cccaggggcc tcttagccaa tccccgggcc 1620
tgggtgaagca ggcgaagcag atggctggag gccagcaact acctgcactt gccgccaaga 1680
gtgggcaatc ttttaggtct ctggggaagg cccagcctc cctccccact gaagaaaaga 1740
agttggtaac cacagagcaa agtccctggg ccctgggaaa agcctcatca cgggcagggc 1800
tctggcccat agtggctgga cagacactgg cacagtcttg ctggtctgct gggagcacac 1860
agacattggc acagacttgc tggctctctg gaagagggca agacccaaa ccagagcaaa 1920
atacacttcc agctcttaac caggctcctt ccagtcacaa gtgtgcagaa tcagaacaga 1980
agtagtacca atcaatgtca catgaacaaa caagctgccc ccagggtacc atttggggag 2040
gggaaatctt ttctttcttt ccccttaaa aaaaaacaca tctgccccga acactttccc 2100
actgttattc ttctctcata tcccaacact cagaactctt gtgacattag ccagtggggg 2160
cttatgggtg tgtgaaccat gtatgaaaat ccagtggggc ccaaccaagg agacagacag 2220
acttgggtct ctttccccca acttttccac atggtcatcg tgaataaaaa agtcccctct 2280
ggaaaaaaaa a 2291

```

<210> 5192

<211> 857

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (860)...(219)

<223> similar to gi455834 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5192

```

tttttttttt ttctggacat cttccatttt atagaaaggg aaattgaggc caggggttgg 60
ggaggcctgg caaggaacat ggtgcatggt aggtggcaga agggacctct gtgctcagag 120
ctgtgcctca ggacctatcg ttcagatggg aagactgagg ttggggagggt gtgtcttggg 180
ttaggaagct gggctcgggg caggggtcag cgcgggcatg gcaggcacgg tgaatgtgaa 240
cttctcagtc tggacaaagg caacgccctt ctcatagtag gcagcctcgt taatgaacac 300
ggggtacacc gtggactctc cctcatagag caggtcctcc ccactgaaca tctggaagat 360
gggagcacca ggctgcagtg gctggaagtc tgggtcctgc agctgaggat gcacagtgcc 420
tgccagggtgc cgggcctcgg tgcgggggaa gtccacgacg cccacgggtc tataggcttc 480
catctcaaag gcaggaaagg ccgtaccctg gttgaagagt tcgatgaagt ccagaactgt 540
ggccaccagg gtcctcatcc ttgagaaaat gtcagccgcg agcacaccct gtggctgggg 600
gccagctcc agaccagtc catttttggc cacagagtcc aggttgtagc tctcctcccc 660
agaccgctgg tacaggaaga cctggcagga cagctcgggg tactgcagct gcagatggcg 720
gcacagggtgc atggcaaaga cttcgtggga ggacttcgcg attaagcagg tgcccatgtt 780
ggccgtggtg ttgtgcaggt caaggacaaa gtcaaaggcc tggcccaggc ccttgggccc 840

```

<210> 5193
 <211> 1598
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1079)...(831)
 <223> similar to gi2276319 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5193

tcgacccacg	cgtccgccca	cgcgcccgaa	aaaaaaaaat	gttgatcctg	tcttggtccc	60
cctgggatcc	gtcttttctg	acgtttgccg	ctgtctcccc	tcacccccca	ggttgctagt	120
taattctctc	ccctcgtgcc	tgcaccctgc	tgccttagct	agcctggcca	cctcactgcc	180
gtgtcctgca	tcaggccagc	cacagagtcc	tacaggtccg	gggcttgctt	gtgggaacgg	240
cttgttcttc	tagactctgg	gggcgggggc	ttgggtgtgt	ttccttactt	gtaaaaggtc	300
ctgttgtttt	tgggagcagg	gagtaatggc	ggatgagacg	ctgtgtggag	gcggcagctc	360
ctgggatggg	gtaacgcctt	gtccctcat	tggcaggtgg	tttgcataaa	gcacagggcc	420
agaggggtgt	agtgccaaag	cctcacccca	catgctgctc	ctgttaaaag	caaactccac	480
tgaccccccc	gggaagtcag	gatttgggat	ttacttctct	gaatgcttgc	ctctggctgc	540
tgggaatttg	ggcctttccc	caaagcctga	accaggcctc	acagtggcca	tcaggcacag	600
aatggatggg	cacagctgag	tggctccact	ggctttaatc	tgccccacct	cttccacacc	660
aacctccacc	ctctggttcc	gatgtgcttg	gttacaagac	acctgattat	ttaagagaac	720
gaaaaaccac	caccagttcc	tgtaaagaat	aagtcacagg	tgacacaggt	aagggtgag	780
ttgtgggtcca	gccccaggga	gtgtgggctg	tgaggcagga	gcgagctaaa	cctgtaggag	840
cagcgccacg	gctgccagga	tccacttcgc	tgccttctct	ttgggtcttca	agttaaagggt	900
ccagacatag	gtggggccgc	ggatgcgtgt	tttgtacacg	ggacactcat	agatgttctt	960
ggtctccatg	cggctccacg	gaatggcctt	gatgaagatg	acaggcatgg	ccgggggtcag	1020
ctctttcagc	cgcgcttcag	cgatgactcc	agtctgggtg	tcccagcgag	cccctgcagg	1080
gacagtatgg	ctgaggggtca	ggtgtgctgc	cagtaagtga	gggaggggct	ggcaggaagg	1140
gtgggggtcct	cacactcccc	gccctctgca	gagctgggct	ctaccccaaa	aggcttcagg	1200
ccagctgccca	cagctggaag	cagaggcctt	cgtaggtgat	ggcctgcatg	ttgtaactac	1260
cccgtcccgc	tgggctcaag	gaacagctca	gctaaagccc	tcgggttcca	tccgtttaaa	1320
tctgtggcat	tttcagagcc	tcactctgtc	gccttaatgt	cagtggcagg	aagtcataac	1380
tccagctaaa	aattacagag	taaagttccc	tgattcttaa	tgtgtaatgt	ctgccctatg	1440
tgtacatata	caatataatt	atacatctgt	gcatataaat	attgccttta	accagactgc	1500
tattatttct	actcgcccta	tttaatgggt	tttttatttc	ctgtctgaaa	tctcaaaata	1560
aacaaacatg	gagagcttaa	aaaaagtcga	cgcgggccg			1598

<210> 5194
 <211> 990
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (990)...(861)
 <223> similar to gi1872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5194

tcagatgaca	gtaaacctca	gagttgttat	aaattaaatg	gatataatgt	gtgtaaagca	60
cttagcataa	tgctttatac	atcgtagaac	tttcaaaaat	aggagtagta	attattacaa	120
agaaatgtga	agaagagtc	tagtgggctg	catgttaaaa	atagttttta	gttaatgaaa	180
attaaatcac	atcttagatg	tttatcatct	gcatgggtact	tttctgggtg	ctgctttaac	240
ctttgtatag	ttgaaaggct	gtaaactttc	tagtattctt	tgatttctgg	cccatttccc	300
tcctaccatt	cacgcttata	ttttttgggt	caagtaccca	ttccttgcaa	aactaattaa	360
atacattcct	aaatacataa	tattgccaat	attcattcac	atccaccacg	tctagatcca	420
agtcttcac	ttctttatgc	tggctctaatt	tttgctgagc	cttagaagca	aagacagact	480
ccgggggttg	atatgggacc	tccagaatgg	ggattgcaca	gaataatctt	atttttcctc	540
tattcttcta	ggctgttatg	ttctgaaccc	acacatgttt	tcggaaggac	cagatggctg	600
acactggcta	atgggaacca	aaagacgagt	gaaagtaacc	tgggttggtca	cataccccc	660
gcttagaggt	gcttcaccct	gccccagggt	caatttcttt	tttctctaga	gactttaccc	720
cattatatca	aaaaccttta	ctacagcctg	actttatctg	atgttagagt	atcattaagt	780
caagcagcag	cattttattga	gtgaaaaaag	attgtacaca	ggactggaag	agaagcatct	840
gcctttaaaa	tacagtagaa	ggccgggcat	ggtggctcat	gcctgtaatt	ctagcacttt	900
gggaggccaa	ggcaggtgga	ttgcctgagc	tcaggagttc	gagaccaccc	tgggcaacat	960
ggtgaaaccc	tgtctctcct	aaaaaaaaaa				990

<210> 5195
 <211> 916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (600)...(398)
 <223> similar to gi4468339 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5195

ctgtggcgga	attcgaacgc	gggagaagga	cgttgcagtg	agccgagAAC	gcaccactgc	60
actccagcct	gggagcaaaa	tgacactcca	tctcaaaaca	taaaaatata	aaaaatgttt	120
ggctttggaa	accatgccct	gctgcttaac	ctactgcgtc	ctggggcagg	ttccttggtca	180
tctctaagct	gcagttttct	catcttcgaa	atagttctaa	gccccctat	ggctcttttg	240
ggtttcagag	tttgtaatat	agcgccttta	ttctccacac	agagcaggca	ctcacaactc	300
tcctttttcca	ctgtcctctc	ttccctgggtc	tctgatctct	cgagccatcc	taattcctgg	360
accctttgca	gtgtccttgc	cagcttgggt	tccccagcac	tgtcctccac	ctcctggcca	420
cagccctatg	cacctgcagc	ggggcccact	gggcaggtgc	tggcactggc	ctccatgggtc	480
acagtagccc	ctactgcacg	gggacacgca	ggtgaagccg	ctctgggggc	tgtagaccag	540

<211> 3111
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (3113)...(2657)
 <223> similar to gi4699963 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5197

aggagaatga	agacatggta	caagatgcgc	tgcagcagaa	cccgggcgcc	ttcaggctag	60
ctcccgccct	gcctgcccgg	ccccaccgag	gcctgagcac	gttcccgggg	gccgagcact	120
gcctccgggc	ttcccccgaa	gaccacgcgt	tagcggtggc	ttcttcggtg	ctgtaattga	180
acgggtccaa	gttgccgacc	tcagcctcac	aggccaaagc	atcagcacca	gaacgcacac	240
ccagcccagc	cccgaaagag	aaagaagaga	gcaaaaagct	gcagccggtg	cttgcacacc	300
gccttgccaca	tagcagaggc	tccgggctca	ctccttcctg	gtggaaaagg	aagatgcctg	360
tcctctccgt	ggaggaccct	gggccctcac	cgcaggcagc	agtttgctgt	tttgaaaggt	420
tattgggtcc	cttcctcggt	ctgtgttctt	gctgggtgagc	aaaagtgttg	cctgcagaaa	480
taaaatgcag	aacgtactct	acgatagatc	acagtTTTTT	attcttaatg	tcacaagcag	540
gagaaaaatc	tcacattcat	actaaaaatt	ccaactagac	tcaacaggaa	tgaagtctct	600
at ttgtaatg	gaaagtccca	gcctcccgtc	gccgtccagt	gcgtgtactg	tacacatcca	660
cactcattct	cactcagggt	tcccggaccg	gctgtcctgc	ctgcggaaact	gaggtaaact	720
agctcaggta	ctgacactag	gagggtctac	cttacataag	gtacaggtag	aagcttgatt	780
gctaggccca	ggcccaccca	gaccctccaa	tcctaacagg	tatttaggct	tgaggttcac	840
tccctcctca	gctgcacacg	cagccaggta	ttaacgagga	tcagagctgt	tctgaggggt	900
gggaaggagc	agccccgcga	ccactcactc	accctcagtc	acatcgggga	gggggcacca	960
gttacattta	catcacatta	tttataaaat	aagaattaca	tttcatataa	catggccaga	1020
aggagctcta	gtcccccagg	aaagctgccg	gggacagcat	ttgagcctct	tctttgcaca	1080
ggcataactt	aactatacag	ctaattccta	gttaatagca	tttatactta	accacctcaa	1140
tgaaccaagc	ttgaagggaat	ttaaaaaggca	at tttagctta	aatacaaaaa	taaatTTTTg	1200
ttaaaaaacg	tttaaatatt	tttttctttt	aatttagaca	cacgcattca	tacttctccc	1260
aaagagggtg	ggcgtggcag	caaggcgctt	gggcctgggg	tatgtgggtt	cagaaggacg	1320
gaaggaaagg	atgggctgca	gagggccctg	tttgggaaaa	ataggatttt	aaaaatatgg	1380
ttcattaatt	taggttttct	aacatctact	ttgggtgatg	tagcctccag	tgaggtcagt	1440
taagtgggac	agaaacggca	gagggaagag	gtctttgctt	cccctggggc	cattctccct	1500
ggctgccagc	ccttgaagtc	agaacaccat	gggaaaattc	aggagtccgc	actttagacc	1560
gtcaagtggg	gctactttcc	acattcaatt	agcgaggccc	cagaaaactt	gaaacaggaa	1620
gtccggcact	accaacatgc	cgccactcat	acaactcaac	tcttcctcca	aactcgattc	1680
aaagagcaat	acacagagcg	tcagacaaag	gaacacagga	caaggcttga	aacatacaat	1740
cctggagagg	cagacgaggg	cccaatgggg	ccaaagggtg	gctgggcgag	gaggcagctg	1800
aagcagcggg	gggcatcctg	cctgctccaa	gagcttctcc	cttcacccct	ggctctgcca	1860
ggctaacagt	cttgagccac	caagctctga	ggggccaaac	tggcagaggg	ttggagatga	1920
aacattgatt	caggcttggc	aggaagaaaa	cggcaggagc	agcaccact	gggtctcca	1980
aggcaaagct	agattcaagg	gcatttaaaa	aggagggaat	cctgcaagga	actggtgagg	2040
gacacagcag	caagaaatgg	ggaaaacagag	tccccagaag	ggaccagagg	aagagaacca	2100
cttctcacag	ctaagccaag	caagataaag	ctttacggat	agcccatttc	ccaaatccca	2160
tcagggtgcac	accaccgatc	caggcggggt	ggaccctgcc	ccctccagcg	acgacgggtc	2220
cggggaaaagg	tggaaagggc	gcctgcctaa	gggtgtgcta	agcgggagtc	agggcagcgg	2280
acactatgta	cagggtgtttc	cttagttctc	cagcctcccc	agtagaactg	ttcaagtaga	2340
ggtcccgggc	tttgcccttc	cgcctcctgc	ttcccccttc	ctgaggcttg	tgcttccctc	2400
agaagggaaa	gggccccagg	gctgccactg	ccccctggcg	gctgaagcca	gagatccggg	2460
gtaggtttgc	tttacgcaac	tggaaaggtc	caaggctctt	cctagcaggt	gccaaggtcc	2520
agatttaggg	aaggggtggg	gggaacaggg	acaggggaca	aaggctactt	tttgcgggtg	2580

tgctgccttc	gggcctgcag	tcgctgtcga	gcccctgggg	tcttggatcc	cgcaccaatg	2640
gaaaaatgaaa	gggcccgcga	tccgaaaggt	gcaacaccaa	caaagccttg	ggcgggtgct	2700
gaggatgccc	caaaggagag	gctgctgcct	gatgtgccc	ctccaggcgc	aggggtgttc	2760
agaccaaagg	tgggggtggc	ggtgcctcca	aacacagggt	tgctctcagt	tgtgctgctc	2820
acgttgaaag	caaacgggtg	gctctggccg	gtggtgccc	gggcgttttg	acctaagccc	2880
cctgcgaagg	gggtggaggt	ggctgtgctc	ccactctgtc	ctgctccaaa	gctgaaagct	2940
ccggtggtgg	tgctggagcc	tgggggtggc	acattgatcc	caaagctccc	actgccagcg	3000
ggggctgccg	aacccccaaa	cgtgaagggt	gatggtgttg	tgctgccc	caccgagctg	3060
ctgctcccgc	tgctggcggg	ataggtgggt	gctccaaaac	cggagctggt	g	3111

<210> 5198

<211> 2169

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2150)...(1754)

<223> similar to gil732423 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5198

tttttttttt	ttgatatttt	aacaaacgtt	ccctttatta	ggtttactga	ctattatcaa	60
cccatccata	aaatagaacg	ggagtttcaa	aactgtacaa	gccacaaggc	tctgggctgg	120
taggaaagaa	gggtgggggc	gaggggtccc	gggtgtcggg	gggtgggaga	tgcagagaga	180
gctagagggt	cacccggcat	ctgtgaggac	ggctgggtca	aggccataag	ctgggatctg	240
tacaagggaa	acattcatca	gaatgtgacc	cacctgaaac	aggaggagg	aaaatcttta	300
aaaagtctta	caggtaaggt	cccctgcccc	cgaaaaaaaaa	aaccgtcaaa	ataataaggg	360
ggtaatgtac	atttctcacc	cagtcttggc	accaattttt	gtgctttaaa	aaatatactc	420
cactgtaaga	tttacttaaa	aaaagggtact	ctacagcagc	tgtttaaaac	ataattctta	480
cagacaaata	tatatatatg	tatgtatata	tattaaacat	tttaaacaaa	taaagtcac	540
tattgtacct	gtgcagaaat	gaaccaaagt	tagactctaa	gagagttaac	ttcaagctca	600
aagaaatggc	aaaggcgggtg	gcaggtgctg	gggtacgcta	cgtggagggg	ttgccaggga	660
tagggcaccc	ctctcttccg	gcagccgagc	tacccctctt	gaggctctga	gaggggttgg	720
gatgaactgg	ggctgttacc	ctgggtccag	agccccggct	gggggtgctga	gcagagaccc	780
gcgctggctt	ctgtgaggct	cgactctgct	cctggtcttc	cccatcccac	cctgcccctg	840
gcttctcggg	gaatggagac	ccactcgccc	tcccttctta	gttctggggg	tcctctggca	900
cacccagagc	ttctgaggat	gcccttggga	aatctcagct	agaaaagcaa	aagcaaaatc	960
aaaacccac	atcaaaagac	cccacagaag	actaaagaaa	tgcaaccctg	tgcaagggtg	1020
cctgagccca	agagtttagct	ggttacctgg	agacacaggg	gaattgctgc	agcccttcca	1080
gacggggccc	cgaagacacc	cagattgcac	gtgaggctat	ttctccctga	ggggcccgt	1140
aggggaacttg	gagcagagcc	ccctggaaac	tgcaaggcaa	gggaccaga	gacatactg	1200
tgcttgggca	cgtgtgcaca	tgtgcccagg	gagggcgggc	gaggcataca	tatcccaggg	1260
agggcacagg	tggaaagaaa	gtaacagaac	agccagagag	aggggactga	aacagggttt	1320
cctttctaga	tggaaataaat	aaatggcttt	tgttattgtt	aaaagaataa	atacagggtg	1380
cggggcaccg	gcagccaggga	tgggtgctgg	gtgcttattt	gcctgcagac	agttcttggg	1440
ttctgccttg	gggtccatgg	tgagtttttg	acgtcctgag	ctttatctgt	gtcttttttc	1500
aaagaggggt	tgtatatgga	cggcatgcag	ggatgctgcc	ttccgctgat	gtcgggaagg	1560
gggaaagagg	agcctgtgtt	ggaatcgggtc	cttgtcccat	ggaggcagcc	acggaggatg	1620
agggaaagacc	agggacctct	gtccatggct	acggatgccg	gtccaagggtg	cagggtgcgg	1680

```

cggccccagc ggcaggcggc tcagtgaagt ggcaccaggt ggctgtcgcg ctggcggtat 1740
gatggcgaac gtcactggta gaggaggtag gccttgaggg aagccggcag cggcagcgtg 1800
tgatctccc ccaggcgctc cctccccagg gccaggcgca ccgagcgacg gcacaaatcc 1860
atgagcggca gcggtctcggg atcgagtccg ttcaagtagc gcattcggat ctacagtggt 1920
ccccagacgg cactcactac aggatacagt tttttgccct tgagtccccg aaaagccact 1980
cccatgtact gtccatccac aatgaagctc agagtcccgt cgtccatgtc cagggtacc 2040
aggaaggagt cagggacaat gaatgtctca tctggttcca gaaaggctgg gtatgttttg 2100
cttggctggt tcttgccatc gtggtagagc cggttgcgcc ccaactcgtg ccgaattcct 2160
gcaggcggg                                     2169

```

```

<210> 5199
<211> 1322
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1325)...(678)
<223> similar to gi517115 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5199
tttttttttt ttgggtggtg aaggagtgga tttattggag cacaaggcag tgaagcagca 60
aaagtgaag tacattccac aggggtgggag tgggctagag caagtggctc aagagccctg 120
gtagcaaaat cttctggggc ttaagtacc tgtagagggt tcttgatggt tacaccctat 180
gtaaatgaaa gactgactca cagccaatta gagactgagg tgaattggct cacagccaat 240
ccaagactgg tgtggtttga ctcttatgc aaatgaatgt cctggaatga accaatcatt 300
ggccagagtg caggtctggc ccatggccaa tcagaggctg atgtggtttg ataccttatg 360
caaatgaagg tcttggaaatg gaccaatcac aggccagtgt tcagactctt cagtgccagg 420
gagtgtgtcc aagtcctcct tagatcccta tctctgtacc ctattctcct gcctcagtct 480
tgtgtgagat tttgcaccct ttgaccatca tcatcatctc cccattcccc caatctctcc 540
ctcaactact tctaaccact attcattaat ctcttgtatt atttaggtgt aaggaagaac 600
agaaggatcc aagtgtgaga aagcccaccc tgagtctctc agaggtgatt atgactgtgt 660
gagcatgggt gagacaaatc ctctgttggt gttgatggct acttgaagtg ctctcccat 720
tctttccatt gtagaatact tagggaggga gagaatatta tgacaagtta ttgatgttg 780
gtgatctctt tcaactgaaag ttccaggaca gcgaaatact atttccattt tctgtatgcc 840
tcttgcatgc agcctatcac gtctgttaag gaaaaagagg aattttttct tttcatccaa 900
ggttagtttg tggaaagcct tccaaaacaa ctgtatagta ggatgtgatt tttggtatcc 960
ttgctcatc tttgaattct gttcaaaactg tttccagtca taatcagtat ttccaatgat 1020
tgctgtcatt agttcttcag ggtagaaatg tctaagtatc tcttctcac agactctata 1080
aaatcctctc tgaaattcct cataaactgc ttttacagag acgttgaaaa tgtaatcaat 1140
atacttagaa acatagtctc tcttggttggt ttggtccaca ggtatggaga tcccatttgg 1200
aatgaagtca acatcatttt ggtcccagtg tatagaaaag cgtatgcaga gcgcatctcc 1260
aatgtcatca gcagcatcat ctagaacttc ttgcaaactc ttccccaacc gaggactgag 1320
tt                                     1322

```

<210> 5200
 <211> 1736
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (942)...(352)
 <223> similar to gi212530 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5200
 tttttttttt ttcgaacctt gtgggtttttt atttgacggg gcagatggag tcagtacaca 60
 ataaataaca tgaatatagg aactgcgccg tatcgcggtt ggccgggtgg ggcaagacat 120
 tggccagacc tttagtctgc agcaggacag aaggacagcc ggacccctga tcttgggcaa 180
 ctggcgaccc gcggctggga accgggggcta actcttccct cagagttcca cgcgcgcac 240
 gcggtaggcc cgggtccagag cccactcggg ctgtgagtcg gtgccccctt ctcgggcaag 300
 gcggggccatc tcctgtttgg aacagccgct tgccgcgctc ggctgggggtc cacattaatc 360
 cagttgttgg caatccactt ggtgccgcgc gtgaccaggc agccccctg cagcgagtag 420
 ttgtctacgt caccacacca accttgccca tcaggcaggc agttgtacca gaagactgct 480
 gtgccctgtt ggggcttgac acgcagggtt cccttgtcac agtgccctcc tgtgtcacgg 540
 aggtccacgt catcctgaat cagactcatt tcacgtagg ttctgttatc tgctacaggg 600
 aaaacagtct cgcgccacc agtgacgttg ttcaaataaa acagcactgt catgtagcgg 660
 caggaggtct cgaagggtac agactcgttg gctaccagct tggtagggga gcagatgggc 720
 tctgggtaca caggccact gtccacgttg gcatgtagt ggccccctc accatatcga 780
 acaacctgca gcggctcgct gagctccacg atctcaggcg acaggcgagt gaggcgcagc 840
 accctctggc ggatggcacg catgatgtgg tgggcaccct caccctggta gagccaggta 900
 tggtaggtgt tccgcaccag ctactggac tctgccttgt ggctcctcat gtacttgtgg 960
 aagtcccgaa ggtccatgtt ggagaactcc tgcagactca gcactccgtc accatcaggg 1020
 tcagccttga tcgcggcgta catctcctga atgctctctg gagtcacca ccatccattt 1080
 cccaggcgag tctgggccag aacctcacgg agctgaagg gcccatcacg gttctgggtc 1140
 agcagccgga agaggtccag ctggctgacc tgcatagtgc tcattgcctc ttcatactct 1200
 tcagtaggca ggatctggct gcgctgtaac cccttcatct gcgccagatg gatgatgagc 1260
 cgacactctt catcagtcag gaagccgggg atttcgaaga gcagcggtt gaggctgagg 1320
 gttcggatga agtgatccct gtcggtgacc agctggacct tacgctcgtg cccacacctg 1380
 atgccctcca gccgggtgag gggacctaa gtgggctcgg gcccggggcc ctgggcacgg 1440
 tggtggggcc cgggatcgct gctttcgctg ccgttgctgt agtgcacgaa gagcagcagc 1500
 gccagcacgt taccaggta cagggtgcacg aacaccatca gcaccaggaa gtaggcgcgc 1560
 gagcagatgc cgcggggctt gcacagcgga cgcaccgggt cgctcctcgcc gtcgcccagc 1620
 acggccgccg cctgagcctg gcagtggtct ggccggcgccc actgcggcct cgaggcctcc 1680
 tcgtcctccg cgggtctcaga ccggtgacct gtcaccgcgg ctgccgccat ggccacc 1736

<210> 5201
 <211> 1203
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1206)...(1089)

<223> similar to gi2565048 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5201

tttttttttca	gctttttcaga	agtttttatta	taaagagatt	tgagagaagc	actggggcacc	60
aagacagaca	ctcgccagg	ccaggaaaca	gctgcaaacg	acgtcaagaa	cccaaaccaca	120
aacgaaaccc	caaaaccaca	cacacggtag	gataagctgt	aacttcgttc	tcaagggtttc	180
ttcataaata	gacaaaagtc	gtcgccggca	attttaaata	gatgaataca	tgattaaaag	240
gagagcagtg	ctccgggggtg	gctagcaagc	gtccgggtcct	tgctgtgagg	atgacgaaac	300
ggtttggcag	ccgcttttgt	gcgcgtctcc	cttaagataa	aacttaaaaa	tgtgctaagg	360
atcatataaa	atgcttttta	ccttaaagg	aaactacttt	tttccccccac	aaaatagtct	420
tacagatggg	ctttcagcac	aggttctaaa	acacgtagg	caactactta	cacggaaccc	480
acagggtttct	aggtttcgta	atcttttgtt	cacactggaa	aaccgatgg	gcacatctat	540
gccggggggcc	gggccctctg	gcccatggca	tctgggggtg	gtgtccgttg	gtaagcgacc	600
ccgccagggg	cggcccacct	gggctggggc	tggagctggg	gccgggtgtc	cagacatagg	660
gtaccgtg	cagggcgagg	acagggtcca	cagttaccct	ggagcaagca	ggtcagcggg	720
cggaagggttc	ctgcagggttc	tttgggctgg	tgggtgggcag	tgggctgcct	ctgcagagtc	780
tgggtgggagg	ttgaggaaga	gactcagccc	ccgggcaatg	ggtgtgtcac	tgctctctcc	840
gatggggccac	cctgcctctg	gccagggcct	cttttctgct	gtcagccctt	caggctctga	900
gcagtgcctt	ccagcgagcc	tcagggatgg	tagggaggcg	ggattagggtg	aggtagagcg	960
atgtgtccct	ggggagcagg	ctgcagggtg	tgatgccaca	ctccccactg	gggtagctgc	1020
tgtcccagtc	cccgtctgtg	gtgggggttg	atggggccagg	tgagcaggat	cccagagctgc	1080
tggggaactc	agagatgtgc	gggaagtcct	gcttctgttc	ctctcccagg	ctgtcccaca	1140
tggaggccac	gattttggac	acgtcaccga	aagtggcact	gggggttctga	cccttgatgg	1200
cgg						1203

<210> 5202

<211> 566

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(171)

<223> similar to gi3342738 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5202

aagaagatcc	tgtgccgcct	tttccggatc	tttgtccacg	tctatatcca	ccacttcgac	60
cgggtcattg	tgatgggtgc	agaggcccat	gtcaacacct	gctacaaaca	cttctattac	120
tttgtcacag	agatgaacct	catagaccgc	aaggagctag	agcctttgaa	agaaatgacg	180
agcaggatgt	gtcactaatg	ctccacctca	ccctttggaa	gaaaggaaag	ctgtttcctc	240
ctgggtgccct	gagcgggcag	gagggtggacc	accctggctg	aaatgacaca	cctactccca	300
ggaacagcag	agggtggaggc	aagcagtgac	tcctgagaga	cattccccac	tcactttgtg	360
tgctcttaac	cttctgagtg	ctgctagccc	agacctgtgg	acgaggcaga	ccacaacgtg	420
aaagaaggac	cagccccttg	accgttctgg	ctggggaatt	gtccacgagg	aagcctctgc	480
acttccacac	atggcacagt	tctgcctgtg	acctgccgcc	taagctttac	tggaattcag	540

gttttgagac tgagatgcgt gttcga

566

<210> 5203
<211> 456
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (6)...(279)
<223> similar to gi3878325 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5203
ataacttctc acagcctggt ggcctcactg ggccccctcaa ctactaccga aacctcttca 60
ggaacttccc cctggaaccc caggagctga ccacacccac attgctgctg tggggggaga 120
aggacactta cttggagctg gggctggtgg aagccatcgg cagccgcttt gtgccgggccc 180
gcttgagggc ccacatcctg ccaggcatag ggcataggat cccacagagc aacccccagg 240
agatgcacca gtacatgtgg gccttcttgc aagacctgct ggactagtgg tccttgctgg 300
cctgcccagg aggcattgat actcaggaag gaacacacac ccattatctg tgtgtgcctg 360
ggagtccata caatgtccat acatgggtga actcttgaat cgctcatagg catgggactc 420
ctggatccca cacaagcgca cctatgggtg cctcgg 456

<210> 5204
<211> 1257
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (5)...(698)
<223> similar to gil228037 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5204
ctgcctggag gatgctgcgc cattctccta ccatagcacc ttcttgctgg ctgaccgcac 60
tgaggcgtgg gtgctggaga cagctgggag gctctgggct gcacagagga tccaggaggg 120
ggcccgaac atctccaacc agctgagcat tggcacggac atctcggccc aacaccgga 180
gctgcggact catgcccagg ccaagggctg gtgggatggg cagggtgcct ttgactttgc 240
tcagatcttc tcctgaccc agcagcctgt gcgcatggag gctgccaagg cccgcttcca 300
ggcagggcgg gagctgctgc ggcaacggca agggggcatc acggcagagg tgatgatggg 360
catcctcaga gacaaggaga gtggtatctg tatggactcg ggaggctttc gcaccacggc 420
cagcatgggt tctgtcctgc cccaggatcc cacgcagccc tgcgtgcact ttcttaccgc 480

```

cacgccagac ccatccaggt ctgtgttcaa acctttcatc ttcgggggtgg ggggtggccca 540
ggccccccag gtgctgtccc ccacttttgg agcacaagac cctgttcgga ccctgccccg 600
attccagact caggtagatc gtcggcatac cctctaccgt ggacaccagg cagccctggg 660
gctgatggag agagatcagg tatccccag ggagtagggg ctaccttgag gggatgatag 720
acctcccca ctcccagtg gactctggaa atatgaagga actagggagt ggaagagatt 780
tcagagctgg ggagaggagt tcctcccttc aaagccagca actgcctttg ggaatgtcg 840
gggggtatct cctttctcct gcttgtgtga gggggtacac agtccccct tcacctggcg 900
ggaagcctgt cccggacaga ctcatctcag ctttcccttg gggcaggatc gggggcagca 960
gctccagcag aaacagcagg atctggagca aaaaggcctc gaggccacac aggggctgct 1020
ggccggcgag tgggccccac ccctctggga gctgggcagc ctcttccagg ccttcgtgaa 1080
gagggagagc caggcttatg cgtaagcttc atagcttctg ctggcctggg gtggacccag 1140
gacccctggg gcctgggtgc cctgagtggg ggtaaagtgg agcaatccct tcacgtcct 1200
tggccatgtt ctgagcggcc agcttggcct ttgccttaat aaatgtgctt tatttttc 1257

```

```

<210> 5205
<211> 385
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (17)...(135)
<223> similar to gi5713131 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5205
tcgacccacg cgtccgcttc aaggtctggt gtccctggggg tctgtggggc cctgtggaca 60
agatggcatc cctggagtct acacctatat ttgcaagtat gtggactgga tccggatgat 120
catgaggaac aactgacctg tttcctccac ctccaccccc accccttaac ttgggtaccc 180
ctctggccct cagagcacca atatctcttc catcacttcc cctagctcca ctcttgttgg 240
cctgggaact tcttggaaact ttaactcctg ccagcccttc taagacccac gagcggggtg 300
agagaagtgt gcaatagtct ggaataaata tccctccctg agactgaacc aaacaaaatc 360
cttgacaaac actgaaatta taaac 385

```

```

<210> 5206
<211> 2551
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (251)...(738)
<223> similar to gi4680224 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5206
tttcgtggga aacttgggta tgaacctggg aagagggact tgaggcctca ctgggcattc 60
tctctgcacc tgtggcattg gagaagaaat cagaatttgc tctgtggggt taagggatga 120
aatgagtgcc cacctgcaca gtctaaggat ttaccatttt cagccggaag tggcctgcct 180
cttcactggg gaacagtccc taaatttcca gccttgggtct cacaccaact ctctggattt 240
tctggccgca ggaattggat tcaagtacgt ggctctggga gacctcatca tcctcatcac 300
ttttggcccg ctggctgtga tgttcgccta cgccatccag gtgggggtccc tggccatctt 360
cccactgggc tatgccatcc ccctcgccct cagcaccgag gccattctcc attccaacaa 420
caccagggac atggagtccg accgggaggc tggatatcgt acgctggcca tcctcatcgg 480
ccccacgttc tcctacattc tctacaacac actgctcttc ctgacctacc tggctctcag 540
catcctggcc acacactgca ccatcagcct ggcactcccc ctgcttacca ttcccatggc 600
cttctccctt gagagacagt ttcgaaagcca ggcttcaac aaactgcccc agaggactgc 660
caagctcaac ctctgtctgg gacttttcta tgtctttggc atcattctgg caccagcagg 720
cagtctgccc aaaatttaag gggacaagta gctcccccca cgacatgtct ccctttctta 780
gaatatatta aagtcagagt ctctgaggaa ggaatgtgat ttggcagtca gggactaag 840
catgggtggg aactcctgcc ttataaaaaat tgtttttgtg ttcttaaaga taatatgttg 900
tttttctgtt ttttgttttt tccattttat ggggaattta aaaaccattc ttgtatcata 960
aggtgaatta ggcgcatggg ctttgtttta ttaataattt ccactagagg gtgttctcag 1020
gtcactttgc ggtgaagtgg acttagttcc tccttgttct gtacaaaatg tctccagact 1080
ttgtaaagga gctgcccagt ttgggcctcc tgtccgaaa agaccctaata aactaggcag 1140
agtgttgtcc tgctttcttc gtctcgtagg atgtgctatg attggtgcca ggcctcacta 1200
acacaggggc tacctgtctc ttattctcag cacctgtgtc ctgagatacg ctgcctgaga 1260
cagagagagt ccctcattaa cagcctgtgt ggctgtcagc tttttgccta aattgtgatt 1320
cagatgcttt tgttctctct cctttcactt attgccacag ttgaggaaaa gtgtcagatt 1380
accctgcagc aagacaagcc aaggactggg agggaaaaaa aaaccactct ggaggcaact 1440
gagaaaatca ctgcttttgg ataggaatca gtagggtggc tgttttccct ttgttgaatc 1500
tactagagtg acaggaagga ctcccagccc tttcagtaac tatcaggagc cctgaaacgg 1560
tagaggcact gccatccttg tgggatactc aaagcccaca gggcttttcc ctccctattg 1620
catcttctga tgctccccac acccacctc cactctcca cctctgtggt gttcccattt 1680
gtgtgtttcc catctgtgga gccagactgt ttgagcaata gcttagcagc ggtcagggga 1740
cagctgccac tttccacaga gccacaggat gggcagagca gggaccagg gaataaatag 1800
ccagtggaca aacagtcttg agctctgttc agccagagt atgggccctg ccagttaagg 1860
ggctgtgtct tcactcttga agacagatgt gcaatatgga ccctgcctct cccagggt 1920
ttgtggaaag atagttagg gcttttagtga gatcacactc agagtggggc aattccagca 1980
tttatcctgg ctgcgtttca ttgcattgtc tgtgaagtat aatttctggg ccagaattgc 2040
tcagttgcat ttgatccagg actatagatt ggaaatgggt catcattgtt ttctgttgtg 2100
attatagcca ttctagtagg cgtttaagg catggcctgc agaaaatgat gtaagaacta 2160
gttcttaatc tttcagatca agctaatagat gatatggaac cttgagttcg aattgattgg 2220
tttacttgga aaaaaacatg tttgaaaatt gcaaaagttc cgccggggcg ggtggctcat 2280
gcctgtaatc ccagcacttt gggaggccga gacgggcgga tcacgaggtc aggagatcga 2340
gaccatcttg gctaacacgg tgaaaccccg tttctactaa aaatacaaaa aattagccag 2400
gcgtgttggc gggcgccgtg agtcccagct acctgggcgg ctgaggcagg agcatggcgt 2460
gaaccagga ggcggagctt gcagtgaagt gagatcatgc cactgcactc caacctgggg 2520
gacacagcaa gactccgtct caaaaaaaaaa a 2551

```

```

<210> 5207
<211> 822
<212> DNA
<213> Homo sapiens

```

<220>

<221> misc_feature
 <222> (138)...(597)
 <223> similar to gi5281051 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5207

aaacggagct	tccacaaacc	agatagaggt	tctccagctt	ttctttgatt	gtctctgctt	60
tagcgtctct	aatccggtc	accatgtcgg	accccgaagg	cgagaccttg	cgaagcacct	120
ttccctctta	tatggccgaa	ggcgagcggc	tctacctgtg	cggggaattt	tctaaagccg	180
cgcagagctt	cagcaacgct	ctttaccttc	aggatggaga	caagaactgc	ctggttgctc	240
gctcaaagtg	cttcctgaag	atgggagact	tggagagatc	cctgaaggat	gctgaggctt	300
cgctccagag	tgacctcagct	ttctgtaagg	ggattttgca	aaaggctgag	acactgtaca	360
ccatgggaga	ctttgagttt	gccttggtat	tctatcatcg	aggctacaag	ctgaggcctg	420
atcggaatt	cagagttggc	attcagaaag	cccaggaagc	catcaacaac	tcagtgggaa	480
gtccttcttc	cattaagctg	gagaacaaag	gggacctctc	cttcttaagc	aagcaggctg	540
agaatataaa	agcccagcag	aagcctcagc	ccatgaaaca	cctcttacac	cccaccaagg	600
gagagcccaa	gtggaaggcc	tcgctcaaga	gtgagaagac	tgtccgccag	cttctggggg	660
agctctacgt	ggacaaagag	tatttgagga	agctcctatt	ggatgaagg	ttcggacact	720
ttgttggcac	ggggccttgg	gggaaaggaa	atctgggttg	atgcttcatg	catgagctga	780
aggcagaacc	tgtcatataa	tattagctga	cgtgtacctg	tg		822

<210> 5208

<211> 1039

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1039)...(639)

<223> similar to gi4589520 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5208

tttttttttt	ttaaaaaaca	tgaaagcacg	gtttatttgc	tcctaagggt	tccctgtgtc	60
gtagctctgt	agtgcgttga	acgtgaccaa	agcaagcacc	ctgggttagc	accagttctc	120
cctgtggccg	gctgtgtggg	aggggtgggtg	gcacggctct	gagacccagt	ctggagggtc	180
tgtgtcagag	ggaagccgtg	cttctctgtg	tttccgactt	tgtccagtc	tcttctgtct	240
ctgggaagct	catggcagga	tgtgttttgg	tttcaaagct	tcagtgtggg	tctctttttt	300
ttttctctct	ctgtctctct	tttcatttca	acggcgatga	tcctttcccg	agaagtatct	360
tcagtgtctt	agggaggtca	cagcaacaag	gcaaaacaat	aattaaagta	caacagaagg	420
tagtgcagtt	ctcgtctgtg	aagggaagcg	tccgcaggca	gctggcccg	gatgcctgca	480
cccaggtcga	ggctgaagga	cggggggtct	cgggtgtccc	gcagctctaa	ggctgtggct	540
gggggctggc	tcaggaagtc	atcttcaggg	tgatgtgggg	gatgcagggtg	gaatgcgggtg	600
aggagaagag	gagggcgctg	ggctccgggc	ccctgtcaca	gagtggactc	caaagaggag	660
tccaagatgt	catcgtgatg	gctgttgctg	ttggagtcgc	tgtcatagct	ctgggggctg	720
gagtagttgg	ctgcctcctg	cagcctcatc	agcatgttca	tcagcgggtc	accttcagca	780
tcactggggg	gcactctgct	gcttgtcgat	ccctcccag	gcatggagta	gccgtcgaag	840

ccgacatcct	caggccgtaa	ctgcagcagg	ggaggccact	cgtgctgttg	tgggctggct	900
gcccattgat	atgtgtccat	caccacttg	gcaggatcct	cccagggggc	gcgccctcca	960
tagagctgga	gtccttctct	gacggcttcc	aggagatagg	ggataatgga	atagttccac	1020
aagtcggtga	accactctc					1039

<210> 5209
 <211> 2061
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (161)...(1451)
 <223> similar to gi289760 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5209						
ctcggaccca	cagagccggc	ccctgctgct	gctcgggcag	ctgcaccacc	tgcaccgcgt	60
gccctggagc	cacgtccgcg	ggaagctgca	gccccgggtc	accgaggagc	tctggcaggc	120
tgccctgagc	acgctcaacc	ccaacccac	ggacagctgt	cccctctacc	tgaactacgc	180
caccgtggct	gccctgccct	gcagggtgag	ccggcacaac	agcccctcgg	ccgcccactt	240
catcacgcgg	ctggtgcgga	cctgcctgcc	gcccggagcg	catcgctgca	ttgtgatggt	300
ctgcgagcag	ccggaggctc	ttgcttcgc	ctgtgccctg	gcccgggcct	tcccgtgtt	360
cacccaccgc	tcagggtgct	ctcggcgctt	ggagaagaag	acggtcaccg	tggagttttt	420
cctggtggga	caagacaacg	ggccgggtgga	ggtgtccaca	ttgcagtgtc	tagcgaatgc	480
cacagacggc	gtgcggctag	cagcccgcac	cgtggacaca	ccctgcaatg	agatgaacac	540
cgacaccttc	ctcgaggaga	ttaacaaagt	tggaaaggag	ctggggatca	tcccaaccat	600
catccgggat	gaggaactga	agacgagagg	atcttgaggga	atctatgggg	ttggcaaagc	660
cgccctgcat	ccccagccc	tggccgtcct	cagccacacc	ccagatggag	ccacgcagac	720
catcgctgg	gtgggcaaag	gcacgtctta	tgacactgga	ggcctcagca	tcaaaggga	780
gactaccatg	ccggggatga	agcgagactg	cggggggtgt	gcggccgtcc	tgggggcctt	840
cagagccgca	atcaagcagg	gtttcaaaga	caacctccac	gctgtgttct	gcttggctga	900
gaactcgggtg	gggcccgaatg	cgacaaggcc	agatgacatc	cacctgctgt	actcaggga	960
gacggtggaa	atcaacaaca	cggatgccga	gggcaggctg	gtgctggcag	atggcggtgc	1020
ctatgcttgc	aaggacctgg	gggcccacat	catcctggac	atggccaccc	tgaccggggc	1080
tcagggcatt	gccacaggga	agtaccacgc	cgcggtgtct	accaacagcg	ctgagtggga	1140
ggccgcctgt	gtgaaggcgg	gcaggaagtg	tggggacctg	gtgcaccgc	tgggtctactg	1200
ccccgagctg	cacttcagcg	agttcacctc	agctgtggcg	gacatgaaga	actcagtggc	1260
ggaccgagac	aacagcccca	gctcctgtgc	tggcctcttc	atcgctcac	acatcggtct	1320
cgactggccc	ggagtctggg	tccacctgga	cattgctgca	ccggtgcatg	ctggtgagcg	1380
agccacaggc	ttcgggtgtg	ccctcctgct	ggcgctcttc	ggccgtgcct	ctgaggacct	1440
tctgtgaac	ctggtgtccc	cactgggctg	tgaggtggat	gtcgaggagg	gggacgtggg	1500
gagggactcc	aagagacgca	ggcttgtgtg	agcctcctgc	ctcgccctg	acaaacgggg	1560
atcttttacc	tacttttgca	ctgattaatt	ttaagcaatt	gaaagattgc	ccttcatatg	1620
ggttttggtt	tgtctttctg	gtcgtcagcg	tgggtgtgga	aacagctgaa	gttttaggag	1680
acagcttagg	gtttggtgcg	ggccacgggg	aggggaccgg	gaagcgctgg	ggcttgtttc	1740
tgtttgttac	ttacaggact	gagacatctt	ctgtaaactg	ctacccttgg	ggccttctgc	1800
acccgggggt	gaggcctcct	gcctgcctgg	tgcctgttcc	cagccccagg	tcctgtgcag	1860
ggcacctgcg	tggctgacag	ccaggctctt	actccagccg	gggctgccag	cgcatccagc	1920
cagcccagcc	ctgtgaaaga	tggagctgac	ttgctgcagg	ggacctgatt	tatagggcaa	1980

gagaagtcac actccggcct ctcagaattc acttgagggt caattaaata cagtcacacc 2040
gccccctcaa aaaaaaaaaa a 2061

<210> 5210
<211> 1156
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1157)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (1156)...(429)
<223> similar to gi4567275 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5210
tttttttttt ttattagaaa tgacgttggt actaaaaagc cacacaatat cncatttaga 60
gaatatgctt aacaaaatat acatcttaaa aattcagcac tccagaatgc tttttcaggt 120
gtttccattt gagaaataaa gaataaaaaat tggtaataat tatagacaca acttcataca 180
ataatctgga taatatgcaa gaagcatcat gttgactttc agatatttct ctttgtggct 240
aacgaaccac acatcaaagg atggaccaaa gttcagatgt acacagtcca gggcacctcc 300
aagcacagtg gcagtgccct tggggatttt ctttccctca gtgagagaca cgggggatgg 360
ggaggagccc aggagtgtca ccagaaagta cacaaccacag cttcttacct agcctgctgc 420
catcatcaac tatcaaacca tttgctcctc tttgcaagag gtgctccttt agaagggtccc 480
aataatttct gcttatattg ttcgaccagc tgggtgaagc gggtttccgt cttatttccc 540
ttagcttttt tctagatac ctgctcggac gataattgct gcttctcctg cttccactgg 600
tttatctgtg gctttggctt tttgggatgg acgggcttca ctttgctttt gtcccgaac 660
ctgatttttg ggcctcggtg tgaggggagc gccaggacct ttcttctctt ctttccatca 720
ggcagctcca cctgctccac ttcagccttg gtctggaacc cgggccatga ggtagagccc 780
gcctttctct tctgctctgg gggcaccttg ctttggttct ctgtgtggtg ttgagctgcc 840
ttctgttgct ggtcttttgc aggctctggt tgcccccttct gaggctcacc agttgcaggc 900
ttggatctca ttttttgcaa gctgcgctgg atccttaatt ccttcatttt aagttttctt 960
cgatcttcta aagagaactc cactattggt ctcttcagag gcccaaagat ttctggattg 1020
ttgttgatga ggcggagggc tttcagggca tgctcgtgct cttggaactc cgcaaaggcg 1080
tagcccaggg actgaccctt catgttgcca tgaactcctt tgaggtatcg catcactcta 1140
cactccttga tgcgca 1156

<210> 5211
<211> 1766
<212> DNA
<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1767)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1)...(1098)
 <223> similar to gi5732946 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5211

atggacaggg	cggcgctcct	gggactggcc	cgcttggtgcg	cgctgtgggc	agccctgctc	60
gtgctgttcc	cctacggagc	ccaaggaaac	tggatgtggt	tgggcattgc	ctccttcggg	120
gttccagaga	agctgggctg	cgccaatttg	ccgctgaaca	gccgccagaa	ggagctgtgc	180
aagaggaaac	cgtacctgct	gccgagcatc	cgagaggcg	cccggctggg	cattcaggag	240
tgcgggagcc	agttcagaca	cgagagatgg	aactgcatga	tcaccgccgc	cgccactacc	300
gccccgatgg	gcgccagccc	cctctttggc	tacgagctga	gcagcggcac	caaagagaca	360
gcatttatatt	atgctgtgat	ggctgcaggc	ctggtgcatt	ctgtgaccag	gtcatgcagt	420
gcaggcaaca	tgacagagtg	ttcctgtgac	accaccttgc	agaacggcgg	ctcagcaagt	480
gaaggctggc	actggggggg	ctgctccgat	gatgtccagt	atggcatgtg	gttcagcaga	540
aagttcctag	atttccccc	cggaacacc	acgggcaaa	aaaacaaagt	actattagca	600
atgaacctac	ataacaatga	agctggaagg	caggctgtcg	ccaagttgat	gtcagtagac	660
tgccgctgcc	acggagtttc	cggtcctctg	gctgtgaaaa	catgctggaa	aaccatgtct	720
tcttttgaaa	agattggcca	tttgttgaag	gataaatatg	aaaacagtat	ccagatatca	780
gacaaaacaa	agaggaaaat	gcgcaggaga	gaaaaagatc	agaggaaaat	accaatccat	840
aaggatgata	tgctctatgt	taataagtct	cccaactact	gtgtagaaga	taagaaactg	900
ggaatcccag	ggacacaagg	cagagaatgc	aaccgtacat	cagagggtgc	agatggctgc	960
aacctcctct	gctgtggccg	aggttacaac	acccatgtgg	tcaggcacgt	ggagagggtg	1020
gagtgtaaat	tcattctggtg	ctgctatgtc	cgttgcagga	ggtgtgaaag	catgactgat	1080
gtccacactt	gcaagtaacc	actccatcca	gccttgggca	agatgcctca	gcaatataca	1140
atggcattgc	aaccagagag	gtgcccattc	ctgtgcagcg	ctagttaaagt	tgactcttgc	1200
agtggaatcc	ctagaacctt	ggacctgaga	gtttccctta	cctgatcgac	atattttcct	1260
ttatctgata	aacccatcaa	tcatgtggat	ttcttgggat	tctaattgtt	aaaaggttta	1320
tattcacctt	ttgatgattt	ggggaatata	tattgacata	caaggaagat	aatctgtttc	1380
ctaagcaaga	aataacagga	aagatccctt	atgccaggag	gcctgccata	ctcaggataa	1440
gataccttgaa	tatggaactt	agttacagga	ctcantaatg	gtgggtgaac	attagtcatt	1500
tttaaaagac	acctcttata	gcaataagga	gacattaaca	tgaatctcat	ttattctctc	1560
agtatttttaa	cttgagaaaa	tatactgttt	gttgtggata	gaagatgttg	aaaagtaaca	1620
taagccatgg	tgctgactac	cctttatgtc	tttcaaagaa	ggtaatcana	aagatcttct	1680
agtgaatata	tccttaaaaa	agatcatacg	atgttatgac	aagatcatat	taaaagggtat	1740
gaagattaaa	ttaaggcttt	cctgaa				1766

<210> 5212
 <211> 1136
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature

<222> (29)...(175)
 <223> similar to gi2887409 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5212

gaattcccgg	gtcgaagcttg	agcccggccga	ctgcggccag	gacaccgccg	gcgcgcctcc	60
cggccggcgc	gagatccgcg	ccgccatgca	gtttggcgac	accgaaatta	aggtcaccgc	120
cgtcgacgtc	agcaccaatc	gctccgtgcg	cgcgtccatc	gactttcttt	ccaactgagg	180
gcgcgcccgc	gcggtgccag	cgccgtctgc	ccggccccgc	cctctttcgg	ttcaggggcc	240
tgcgagagcg	gttggggcgg	gggaaacgat	agttctgcag	tctgcgcctt	tccacgccct	300
ccagccccgc	gggagataag	gtcatgggag	agtgggtggg	gacacacca	gagactggct	360
ttgggattgg	gcactgggtcc	gctgactgcc	aggctgaagg	gacccgcca	ggactgaacg	420
ggtaagagaa	gaggtttgca	agacagagcg	cgcagcccgg	caaggggcat	gtgacccga	480
aggaagaacg	caacagaaga	gtcctggtct	gaacttggtc	gagtaggggt	gggggtggga	540
tggcaggagg	agccgcagga	ggaaggaggt	tgtgcagggt	ctggacctgc	agggtgaag	600
ttcactcatc	gaccgactca	gccccaaacc	ggagccaggc	agaaaaacc	tgtgccgtag	660
gaaagtgact	ggaagtggac	tccagaggga	caggtgtggt	ggcacagtcc	tgggtgtggtg	720
ctgaccaccc	aaatatgact	gtgaattgtg	gaaagggcag	tagatctcta	atgtggaggt	780
gggaacatta	ttgtggtgga	ggcaattatg	agggtagcat	ttctttcgag	acaaaacacc	840
cgtctgggaa	ggccccaaag	tcagcttatg	aaggaccca	cttgacccc	acccagcca	900
tggaagagca	gctggagggt	ggatggggag	gccagaggga	gcaatgaggg	gtggtcccag	960
ctctgctatt	gactcggtat	gccttttagga	cattctctta	ccgctcatgg	gcctcagttt	1020
cctaaagtgt	gaaatgtcag	gcatttccct	ctaactggca	tgcaacagcc	ccacctgcct	1080
gagagccctg	aggtgacaat	aaaacattta	tgctcaaggg	gagaatacaa	aaaaaa	1136

<210> 5213

<211> 1048

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1017)...(485)

<223> similar to gi5824476 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5213

tttttttttt	ttaattaaaa	aatgttttat	ttatacaaat	ggacaatcag	aggccagtcc	60
cccgctcctt	ccttcgggct	ccagtgtggt	gtaccagggt	gccactgcct	gctgtcccgg	120
caagcacgtc	ctcacgtcca	gctctggccc	gcctcgtcgt	cactgtcctc	aatcagacag	180
tcccggatct	cctgcaagcc	ccaggccctc	tgtgtgcgga	cgtgggcctc	agccaggatg	240
tacggcgga	gggggtccag	tgagggtcac	caagtccttc	atgttcacgc	ggcagctgta	300
gcacagctgc	tcctcaatgc	aggctttggg	gtcctccctc	ctgcaggccc	cctggccgca	360
gcgctggggc	cagcccaccc	ctggagaaca	gcaggggccc	gggggtgtcc	gggtctcagt	420
cagggggatg	ggtgactgca	tctgggagag	acgcgaggag	gtctgagccc	caaaagccgt	480
ggcactgtca	gcggcgtcga	cgtccagggc	acacatgcag	aggaggcagc	gggggcccga	540
gtcgccagca	gcaggggccat	cccgggggccc	cttcaccagc	ttctcacttg	tcctgtacac	600

```

agtgctgaca gtggagggga actgggtctg cagcctgagg atgaaggcct ccatcagccg 660
gtggatgctg gccttttcag gggccttggt gtcgacggct ggtgtgaaga cagaaggaac 720
ggagaacagg cggttgtaga aagcgacctc cttcagggtg tgggtcccga tgggccgcac 780
caccaccacg tccccgtgcc gctcatccga gaagcccgtg tcccaggcca ggaaggcccc 840
tcgacccagc gccagggttg tcatgagctt gatagccaag cgtgtgcagc tgtccccagt 900
catgaccttg gagtagccgt gggctcgggc cacgtggagg atcagggtggg tccgcagggt 960
ctgcagaagc tcctccttgg cagtcagtgt cctcactgag cagaacagtt gggaaagagc 1020
ctcagtctgg gcaggggcag gcggtctt 1048

```

<210> 5214
 <211> 1053
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (637)...(919)
 <223> similar to gil002786 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5214
aaacaatata cctgtcagtt tccatcaact atagcaatcc atgcagaaga caagaggccc 60
cctcaaagca ggaggggtat tgttttaggt ccaatttttc ttattgttct caaaatcatt 120
ataagggtgga cagtgttttg tgaagatttt cttttcccca gctctaagaa accatgtgga 180
aagaattcat tgataactgt tttgattttt ttcttttttt aagtacagg tttgctaagt 240
aatcaccctt agtgagcctg tgtagttcag ctgcctgtga gatgtttggt gaccagctca 300
gtgtattctt gtattcttga tagagaatat ttcaggagac aaaagtgtct cttcagacca 360
gacctcaaat aacaatttta ttctttttta taaataagac ctgagtaggc ggacctgata 420
acagtgacaa tgaaaggaaa atagtggcaa aatgtgagtt tccagcatga tgtttctcat 480
tttattttct tctgtatgaa tcaaaagaat gctttacaaa accatgttcc cttaatcaca 540
gtgttctctg gcttttatag gattgtcata gccaggacca cactattgct ttttcataac 600
attttctttt tgtttctttc ttttgaattt cttacagggc tgcaaagtat gccaggggag 660
tatgtagccc ggggtggtcc aatgggtgtg agtatgggac agccaagtta taccacccc 720
cagatgcccc cccatcctgc tcagctgcgt catgggcccc ccatgcatac gtacattcct 780
ggacaccctc accacccaac agtgatgatg catggaggac cgccccaccc tggaatgcca 840
atgtcagcat caagccccac agttcttaat acaggagacc caacaatgag tggacaagtc 900
atggacattc atgctcagta gcttaaggga atatgcattg tctgcaatgg tgactgattt 960
caatcatggt tttttctgca atgactgtgg agttccattc ttggcatcta ctctggacca 1020
aggagcatcc ctaattcttc atagggacct tta 1053

```

<210> 5215
 <211> 2210
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (1)...(2211)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (2212)...(1523)
 <223> similar to gi407419 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5215

tttttttttt	ttctttaaag	aaaacaagtt	ttattttttat	catcagaaca	ttctaataaaa	60
aatattatga	tgagattagc	tacctttatt	ctctgagcct	tgactctgtc	acaggcctgc	120
cctggngcgc	cctgcacgct	cagctccctg	aggtaggtcc	ggaggggggg	agaccccccc	180
gctgcccccc	gccccnnggg	cagggatacc	ctttaccttt	aatggtcccc	tccttccaga	240
cccccaacag	cccttgggat	gccccattag	cagccctgcc	acgggttggg	aagaaactgg	300
cctccaccct	ccaccaaccc	ccaagacagg	caaggaaacc	gtctcagggc	tgggcacaac	360
agcaggtggt	gcgggggtag	aggggaagagg	cgcacccttc	tgactcaac	cgctccagcg	420
ggcagagctg	agggccactg	ccccccccag	gctggcacca	ccatggtcta	gacccccagt	480
ggcctgaatg	ctgtggatca	cttcctttctc	cccttccaca	gtgtttgggg	agttggggag	540
gaagggaagg	gagaggagtg	tcaacgtcgc	agtgcggggg	tcctgagaca	actcactctg	600
ccacccccgc	aggcggcagc	agacagtggc	ccgcacgggc	ctgagggggc	tcctgtctgt	660
ggtgcccac	ccaccgagag	gatcctggcc	cgcgagccgg	cagacacttt	attatacaga	720
aacactatcg	tcgtctccac	gggcggaacc	aacaaaagca	agtctctcca	agtcaaaaat	780
aggttttgga	ttcttgggtg	cggcagtatc	cgctgaaaaa	atagactgaa	cttctgaaat	840
tatcttagta	gcaaaacaat	tacaagaaaa	aagttgcaac	ttcagtgcta	tgactggaaa	900
ggggcctttg	gccggcggcc	cctgttaccg	gcggccccctg	tgcgccctggg	agtcctcccg	960
ggcttgagga	agccgccccac	gtgccctgat	ggagaaaatg	ggactccaac	aggaggccgt	1020
gtcctcacac	ctcagactgc	gctcacagct	cgggagggatc	aagttacaat	aaacagtcca	1080
ttaacttctt	gctttcaggt	ttccctggag	tcaggcatct	ctgcacagtc	cagggcagcc	1140
aggggctgca	gagggtctgt	gacacccccgc	cacgatgcag	cagtggggac	acaagcctga	1200
gggaacctgg	agtgtggaga	ggcaggagaa	ggtgcaagga	gaggctgcca	tgggtgtgcaa	1260
ggaacctggg	attgcgtctt	taaatagtcc	tcagtcattc	ttaaagtcct	ccctcaagac	1320
acaatgggac	ctagattaaa	gagaagccgt	ctctccgctg	tcccagggcg	caggcggaat	1380
gcccagagcg	tcttcggagg	cacgggtgct	ggtggcacct	cactgaagct	cagccgggct	1440
gtcgccagcc	catcatggcc	tggcagctct	gtctgctgtg	aaggtgacaa	tgccacagtc	1500
ctcgggggcag	gaacgccccct	cactgcatcc	tgtcaggctg	cagctgcggc	gcctggtact	1560
gcacgaaagt	ggtgcccgcg	ggtgctgcgg	ctgagagggc	ctggggcacg	gcggcagggg	1620
agctgtagcc	cacgaagctg	gcagccgtgg	caggcgaggc	ggcgtatggg	tactggtcat	1680
aggtggccgg	tgggtactgg	gcgtaggccg	ggctggccgg	cgtgtactca	atgtagggcg	1740
aggacagcga	cgggacaggg	gcggctggga	tcaccacgct	gggctgcacg	atggctggtg	1800
ggtagatgta	gtgcggggtc	agcccgtaa	tccgctggat	caaggtgggg	tgagctgct	1860
gcaccccaat	ggcaaagccc	gtctggaggc	tccgcggctt	ggcgcccaga	tatgccaggt	1920
tcacgttggc	cttgcggccg	tcgatgatgg	ggttcgggtc	tttgcaagcc	ctctcagctg	1980
ccgcccggtc	ggccatggtc	acgaagccgt	agccgcggga	cttgcccgtc	tggcggctcg	2040
tgatgaccac	ggcctcctcg	atgtcgccga	agccctcgaa	gtacttctg	agcgaggcgt	2100
cggtagtggt	gtacggcagg	ccgcccacga	agatcttggt	gaacgtggtg	cccttctgcg	2160
agccgtacat	gacgcccggg	gcggccaggg	gccgcgagaa	acccgcgctc		2210

<210> 5216

<211> 1909
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1910)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (1909)...(1473)
 <223> similar to gil668766 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5216
 agttcctaaa ttgggggaaa catagtgaat tccacataat gtttttaaatt attcagccac 60
 taaaaataaa ttacatatg atttcattaa tatattcact atctaaacca tattttttac 120
 actacgtaaa atacattgta tatgtacagt gagtgcgtgt ttttgcttta gttctcattt 180
 ttcacattaa ggggaggaaa gctaccata gatagtattc ttactccttt tcacatgctt 240
 caaggacagt ttgcaagtgg atataaatac atacacatca ctagtgatta tgcttttatg 300
 ttattttcaa cttcttatag gtaacataat tttcagacaa tgtttagctgg ttttaaacc 360
 aatcagtaaa ctggcattaa aggattctta ataaaccaa cactgaaggc ctctttcata 420
 ttgtatcat ctgcattttt ttttatatgc ttgtcatgtg gctttacttt cagcctcact 480
 cttttcttct tccaaatgga ttatccttaa accttttacc tttaaagagc ctgagattta 540
 tatttaactc gaacaacagt ttgcctctgt tgccctgtgt ttcatgtttt cctaagccag 600
 agtttccac gcctcctgtt cctggcagcc caagtgcctt cgctgggcta ctcccacctg 660
 gcccttgctt ttcatctctt agggcagtca cttagcacct tccaaagtgc ctgcacatgt 720
 ttcttatttc atttctttaa cattcatatt accactattt agattgaagg aacagaattg 780
 gtttggtgct gaagagaata caaagagatc tgtcttcaat tatctgatag tagtaaagtt 840
 tcacgggaga aagaaagatt tcggttccac ataaggaaaa acttggaag ttttgaatgg 900
 aaagttcata gagagattca gtaaccacct gtcaggaatt ttgtaaagac gtctacggcc 960
 atatcacctt gaacgcgctt gatctcatct gatctcgga gctaagcagg gtcgggcttg 1020
 gttagtactt ggatgggaga aattttataa agaacacatg aacactagct ggcctatgtg 1080
 gcctttaaaa tctcttccaa tcttgagatt ccacaaactc tggataaaaa ggggcaaaag 1140
 tattagacat ttcactccca ttaatatgag ggaagtaaatt gacattgagg tccaatttgt 1200
 ctgtagttca gaattagtcc aatacagacc cttagaccaa ctagggaaca aaaagcaagc 1260
 atttcaagtt acctataagc ctggggtcat cagaatatag aaacagccat gtgctagctg 1320
 aaagccattc aatgaggctt tctattaatt tcctttaaaa gcaatggtta ttattgaaac 1380
 tcctaaatgc taaaatctga aggaccatc cttatatata agttctgatc atactgaaac 1440
 agtcatttag caacattgct ctgatgtcca ggaccctggt ctgtaatgaa agcaatgaag 1500
 ggaggggctg gcagggcact actggggtgg tataggggac actgcttata ttcacaaggc 1560
 cacgtggtcc aagcatagcg gagagcaacc acagtgccat gacaagaatc gatcgccagg 1620
 gtcagggact ggggtggagac ggtgttcata gaagctgga gccacttgca tcgatggtca 1680
 ctgcaacagg agatctcaaa tatcttggtg tcctttttct gcacctggat ttgctggtaa 1740
 tatgtgagat tgagcagccc cttgtgagcc aagagtctta tcttctcagg cagtggctct 1800
 tcaaaggtca aattcttctc accataagcc agagcacggg ccccaaatg cagccgataa 1860
 gccacagtct gtttatctcg gcccggtaat tccaaccgg ntgacgtca 1909

<210> 5217

<211> 1462
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1463)...(1171)
 <223> similar to gil872200 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5217
 tgaggggcccc tgtcaaggcc cccaccctcc tttttctgtg tttagtgagg gtgtctgatg 60
 cataactgag cctcagttgg gaggggctga ggggatcggg aacacttcca aggggaagca 120
 gctggggtga gagccccaag gtggagagaa cttggcaagg ttgaagagga atgggtgggca 180
 ggggaggagg aagagtaaaa gaagaggcag ttagggctgc ccgggtcagt ctgggaactt 240
 tggcttcctc ttcaggtcac taggagccat cagagggtta agccagcaga gacagcttcc 300
 tgtttttaag acgttgggtc ggctgctgtg ccgggagcaa gagagaaaga gacttggggg 360
 agttcagaag aggtgacggg ggtggaggaa agtggatgga tatggggtct ctttcagagg 420
 tagaacagtg ggggtctctt cagaggtaga acagtgggac cttctgacca ctggcaggta 480
 gagggtaagg gagaggggaa ttgggttgcc tgctagtttt tgctttaact aactgggtag 540
 atgctgatgt cattcactga ggaggaagag ggcagggtga gggtaggtag aaattcacag 600
 ttttggtttg gttgtagttt gggatccctg tggacaagaa aagtttccat gggatatatta 660
 tgaatgcctt ctgaatcaag ggtttaaatc acatcctctg atttattctc cccaaagacc 720
 actagatgcc gctgtttaca cgggagcaat tatgcagtac aagactcctt tcctgaggag 780
 agggcacgga tgccggagag ggtactgatg ccggagaagg cactgatgcc tgacagggga 840
 acccacagag aggggagccc ctgcctttga gggggttact ctttactggg agacatcacc 900
 cttcagtggt gtcttcagac acatgtgata gcagtgtgac ttcatatggg atagaaagct 960
 agggactagg tagtgtttga gctgggtcct cagggttgca aggcatttca ggtgggggca 1020
 ggacgctcca agcagaagga acagccgggc aacagagcgc atctccctgc ttatggggta 1080
 gatggtacag tgaagagggt attggcatag ggggttgagc ttttcagtgt ttctcaacaa 1140
 aggcacagtt agccttttaa agaaggacgg tttttggctg ggtacgggtg ctcatgcctg 1200
 taatcccagc actttgggag gccgaagagg gcagatcagc tgaggtcagg agttcgagac 1260
 cagcctgacc aacatggaga aaccctgtct ctactaaaaa taaaaatta cccggccatg 1320
 gtggcacatg cctgtaatcc cagctactcg ggaggctgag gcaggagact cgcttagacc 1380
 caggaggcgg aggttgtggt gcgctgagat cacaccattg cattccagcc tgggcaacaa 1440
 gagcaaaact ctgtctcaaa aa 1462

<210> 5218
 <211> 1689
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1690)...(667)
 <223> similar to gi4336692 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5218					
tttttttttt	aggcagaagg	agtcagagag	gttgcccttta	atagctcagt	tactattgtt	60
tatgttgata	aagggtctgt	taatgtattg	ccaaaagaga	accaggaaaa	gaggtccagt	120
tttgggaagc	acttgcctta	cttgtacccc	gctcactctc	aactgagggt	cctgtgatga	180
gcacagtggg	cacacacccc	atccccaacc	tgtccacggg	tccctggggc	atgggtgggg	240
tgggagtgc	actgctatga	ggggaacgtg	gagagctggg	ggctcactca	tggtgagagg	300
ctcaagggcg	gcagtggctc	tgcagcaaag	ttggcagctg	gagcagcgtg	tggggcccg	360
gaaggaactg	ggaaggagca	gacaggggtg	ggctggggga	actgccaaag	atcccagacc	420
aagccactgc	gaaactgaga	aggggtgctt	ccacatggga	gccacttcgt	ttggctaagc	480
attgggtctg	ggttcaggag	ccacgatgct	gccccgggta	ccccccctgc	caccgtggca	540
ggtgtggcac	agacacaggc	ctctgccaac	agggcagctg	ggcacgctgg	gcactcaggt	600
tgctttctcc	ttcccgcttt	ccattgggtc	ctccttcagg	ttctcgggtc	cgagcttcat	660
ttgtctgtgc	ttgagtgcct	ccaaagactc	aaattccagt	ctggctagtt	tcactctggt	720
atgccgtggc	ttatcaggta	tggcaaatgc	aagtataaac	tttaaaggcca	ggagtgcgtg	780
ctccactgct	actacaatca	aaatgaggtc	tgcttttgat	tctggaagca	ctgcattcac	840
ttgtggtgac	attccaatca	gcgcacagtt	agtgaccaca	gatataaac	tcatactttc	900
aaaagccaac	tgccacacac	caatattggc	tgaaggttct	gagaatggac	gtttgaagac	960
cctgcacatt	tttaaggcat	ctgaattttac	ttcagtgaag	ttattttaaca	cagcaaaggc	1020
agctgcta	gggtaaacac	aggagaaaag	gctcacataa	ccaaactgca	ggaataactc	1080
caagtaatca	tcaaagggtc	ccaaataagt	tcccattttc	ttttccagga	tgacttggtc	1140
atataatgta	gcatcaatgt	ctgcctttta	agcctgcacc	ttcctcttca	cctgcacacc	1200
atgcttcctt	tggagccaat	aaggaagaaa	agattccata	atttggttga	ggatctggga	1260
ggtaattagg	agagtggcca	agctctggcg	caaaagcttc	atatctttca	agacaaaggc	1320
aatatagaag	agtgaggcaa	agcaatttag	gaagttgaac	actaaaactt	tcagaattag	1380
atggttctga	taggcagatt	ccaatctgtg	attctcccat	gaagttaaaa	actcggcagc	1440
atatcgatag	agacgattca	tgatctcaat	cacaatggca	tagatgatgc	tgggcacata	1500
caacgagaca	ctggctcact	cagaccgcgt	gttctcatgt	agaccaaggt	cccaaaccctc	1560
catgtcgaag	taaattcatca	tgacatacag	tgagaaatag	aggcagaggc	acacgaatgg	1620
cagggaagacc	aggtaaatgc	gcaactgtct	cttgtagctg	gggtacagag	gtcctctcctt	1680
cccagtgat						1689

```
<210> 5219
<211> 458
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (44)...(142)
<223> similar to gi4235143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5219					
gagaatccca	gcaagaatca	cattactttt	ttctaataaa	acaggtctta	ctgtttctaa	60
gccagaactg	attagccgtc	tggagcaaag	acaggagccc	tggaatgtga	agagacatga	120
gaccatagcc	aaacccccag	gtaggttgga	tgaatgaaac	acatgccaca	ggtgaaagct	180
ccaaaggcca	agaaggaaga	cagacttcaa	gagttatttg	agaagctctg	ctccaatgga	240
gatgattttt	gaggaacgtg	attgtttatt	cttgctcttg	tacagaggca	tcttctgtct	300
aatgctccta	aattctctaa	aaagtaacct	tactttgagg	ttatagtga	agccaaagtc	360

```
ctcttcatgg cttataagag actttattat ctgactgccc tttcattgtc ttggggcaca 420
cagaaatata tgtgtatfff tgaggaaetc tatgttaa 458
```

```
<210> 5220
<211> 689
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2)...(436)
<223> similar to gi4406663 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5220
gggctataacc ccaggtgaat caattcagat atttgctgag attgagaact gctcttcccg 60
aatggtggtg ccaaaggcag ccatttacca aacacaggcc ttctatgcca aagggaaaat 120
gaaggaagta aaacagcttg tggctaactt gcgtggggaa tccttatcat ctggaaagac 180
agagacgtgg aatggcaagt tgctgaaaat tccaccagtt tctccctcta tcctcgactg 240
tagtataatc cgcgtggaat attcactaat ggtatatgtg gatattcctg gagctatgga 300
tttatttctt aatttgccac ttgtcatcgg taccattcct ctacatccat ttggtagcag 360
aacctcaagt gtaagcagtc agtgtagcat gaatatgaac tggctcagtt tatcacttcc 420
tgaaagacct gaaggtaatt tgataatata cgtctaagct taatctctta ctactattat 480
caagaaaatt attttgcttc tgatatttta tgaccctaga tgaacataat cttttcctaa 540
agaaagtaga tgtgccccta atattcagtt ttgattatat gtcttcatag tttcgatcac 600
caaacaataa ttattttacc ttgacgttgc tttttaatac ctactattct gtgtattttg 660
acatgcataa gaacatgctg ttcgaattg 689
```

```
<210> 5221
<211> 2948
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (2908)...(2246)
<223> similar to gi5457690 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters
```

```
<400> 5221
tttttttttt ttgtgaaaat tttatttttc tttttattgc aaatttctgg taaaggaaag 60
aacatggaag ctgattctca tttgagcttt ggtgagaaga gaactgcact gtggctcgac 120
agctcaccac ctcggctgca cacccaaaca cgcggaggcc tcgggcacgc actgatgcct 180
```

gcgacccacc	tcccagaggt	tctgacttaa	tcggtctggg	aggcacagcg	gggcatcagt	240
agatttccca	actcctctgg	atgatttcaa	catgtagcca	aggtgagcac	acctgcggtg	300
gctcatctca	aggggctggc	aatgtcagaa	gcacctgaga	agctcagctg	acagccaagt	360
gtcacctgct	tacatcactc	cttggccaga	gtccagctgg	tgttccccgc	ctccctcttc	420
ccagggtgtcg	atgtttctgat	tcctttctcct	caaagacccc	acaagacaga	gatgctggag	480
gggggtgtggc	ttcctgtgct	gtgggtttgtg	cttaaactgtg	gagaaccaca	tgaaccacgt	540
gtacgctacc	acaaaagaaa	ttcacttttct	gattgcaaaa	cagcattcgc	ctctttttat	600
ttgttaagtg	gaaacttgtg	gcaaaataag	aaaacatgtg	ttggataata	tagtccctat	660
ataacctctc	atgtccaaat	ttgaaaaaaa	aaattgtcaa	gccattgaca	gcaaaatatg	720
tacttttagca	gcatatttta	tatgggtaaa	cagtaatagc	cagttagaca	cttcatttgt	780
gatttgtcct	aaaaatagaa	aatgcttttt	attttcctga	gtccttggca	aacaaaaaac	840
atttttttct	ttttaattgt	taaagtctct	gtttttcttt	ttcctgggac	accctcacag	900
ttcagaacgt	tgtgtctcac	tgtcagtttt	tacatacaga	gatgaacaaa	cagcactggg	960
gccaattttc	aatgactgat	caaatatggc	gattgaaaat	aaaacaccca	tcactctaca	1020
agttgtctca	gatgaaagtt	tcttacagtg	ctataaatgc	aatatcaatt	tgaattgttg	1080
tccatacaaa	agtatgaatt	tctattccat	tagtaatact	gaatgattaa	taccttaaca	1140
gcgataaaat	ttttagaaca	tttaaaaaat	acagaggatt	ccagttttac	atcatacttc	1200
tgacggatta	tcatactttc	tattttgtct	gcaaaacttt	tacagagtac	agtgcattga	1260
catgataaaa	ccaaggcaca	aaaatacagt	tacgataagt	gtatataaac	cctagcactt	1320
tgtgccaatt	ttggaaacag	atcataaagt	ctgaaaaatt	accacattct	atttgattag	1380
tgaacaatta	attgtgcagt	aaatagactg	ttaaccacca	ttccattatt	aaatatatgg	1440
ctatcactat	acaggtttgtg	gataattcaa	aaatagtttt	aaatattaaa	acctgtaata	1500
tctaggtggt	caacgcagat	attgagcctt	acgttatcta	aataagtttc	catttaattt	1560
gcaatccaca	tggcagtttag	caatttttta	actattttca	ttacataaat	ggtgggggtt	1620
attctaaatg	ttaaatcctt	ttccctttaca	aaagacagaa	gattttacaag	aagataacca	1680
atataagaag	tgcatagaca	acgataataa	aatccaaatt	ggactcaaag	gttgaagtct	1740
aatctactgg	gacattctct	taattttagg	tgaggagcaa	cacattcctg	tgatgattca	1800
ttagtttctt	aattaaaaaa	aaatcccat	gacatttttc	aaaatagtaa	acagtcttca	1860
ttagtgcate	aagcattgaa	gaaaaattgt	cgtctttcca	ttcgtaaaat	gaagaagata	1920
aaagcctttc	aaaatccagg	gcgggggatt	tccattgaat	ttagagaagt	gaaataaact	1980
ggtaaaaact	gtatttcata	cttttaacaa	aagagtattt	tcaagactca	aggtaaacad	2040
ttagacccat	aaaaacacat	ttcttggcac	atgcacgcca	tggatggaac	aatcctgaat	2100
gcagcgatgg	cctggctaca	gaggtatccg	gctcctagcc	ccactggcaa	aactgtcttt	2160
taggaccttg	tcccagctcc	cttcacatgg	gggtctctgg	cttctgcate	agctggattt	2220
gcttctgtag	ctgggtccctg	tccagcttca	tcttggcctc	gagaacttgc	ctgagggatc	2280
ctatgctttc	atagacggct	gtaaacccag	cattaaacttc	tgctttcatt	tccttgatgt	2340
tctggttcat	ctgtaactcc	agcttgggtga	ttcgcccgtg	catcttctcc	tcttcttgcc	2400
ttgttctctg	accatcaaaa	gtcttctttt	gaccctcttc	tattttgtca	agcctggctg	2460
acatctggct	gagcttcttc	tccatatccc	tttactggc	tccactgttt	tccttaacaa	2520
tcaaggaaaag	ctgatcaatt	ttctgtaaaa	gctctttttc	tatccgttct	tgttctctgt	2580
gcaaccaact	ccgtgcagat	aatatctggt	tactgagttc	ctcaactgta	cctttaaatt	2640
tagtgtccaa	aagctgaagc	tggtgggttac	tgtctctgtg	agacatcttc	agtttggtgc	2700
tctgctctga	tattgacaag	tccactctgt	tcaaaagctg	agaaatctgt	ccctctgcat	2760
ctttgatttt	cgtttccaag	ataagtttgg	cagcctgctg	ttctttgttc	aagtgtctgga	2820
gcccctcata	ggtcgttttg	tgctctgcag	aaagactagc	tatgctggca	tcacatctgt	2880
ccagacaaaag	aacaaagctt	gccactcttc	ctcgaagatc	tcccacaccg	gagagctggc	2940
gcatctcc						2948

<210> 5222
 <211> 1414
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1231)...(306)
 <223> similar to gi3873707 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5222

ccataggcag	ggtaggcatg	cagcagggag	ccggaatcca	atccctcgcc	attaatttaa	60
cttagatgag	ctactcctgg	tccctggagc	cactccccag	gaaggatcct	gtgaagacac	120
atctggctct	cgtgcccag	ctcctgccac	tttgcccaac	caacgaagtt	agcaaatagt	180
aaagtgttca	tcattaccta	gttttgtatt	ataaaatgga	atcaggaaca	taaataggaa	240
caagtagcaa	aacccagcc	ctgcgtagga	ccattatcct	ctcagccacc	tctgcgtagg	300
ccaatgagtt	tggaaagttt	ctcacagttt	tcaagtttca	gcgactctgc	tttctgtttc	360
aatcgttcat	ctctgtataa	tcttgccaaa	tttgtcagct	ctgacttttg	ttgtttctcc	420
ttccaacaac	tagtctggat	ataatcaatg	taatccttct	ctattgtttt	ctccaagtca	480
tgcagagaag	ctcctctgta	ggccttgtca	aagtttttat	ccacaaagta	aggcacctgc	540
aggttctgag	tttctctaga	aatggtgtag	cccaaggctg	atztatagaa	cagactatat	600
gggggattag	tagccagcag	ctgagtaatg	acagatataa	tcacaatcac	aagaactgga	660
agtagctgaa	taaatgcaga	atatgtagtc	tgaggtttct	cttcttcctc	ctccttctga	720
gtctgtgtcc	tctcatgtcg	gtgccgtcga	cggtaatagt	aagtgtcatc	tgtcacattt	780
gaaaacatat	gaatatttcc	tgtaggaaaa	tgtcctccaa	agaagacgtt	gaacagctct	840
tctggagtga	tgtcagcttc	aaaatccctg	taataattat	aaggctctggc	tcgaggggca	900
gtgaaagtca	cctgttcattc	tccgtattca	tcatagcgaa	gtctcttattc	aggattgtctc	960
aggactgcaa	atgcatttcc	tattgctttg	aaagcatctg	ttgctccagg	agcacagttc	1020
ttgtcagggg	gaaatttcag	ggcgagtttt	ctgtaagctt	tcttaagctc	ttcgtcacta	1080
gcatctcgag	aaactcccag	aatttcatag	taatttctgc	atttcttgat	cctttgtacc	1140
ccaagcagct	gttctctact	gtacgtggag	ttcccctcac	cctgccgggt	ctgagtccac	1200
tcattctcag	acttcttttc	cttttgtgcc	ttcatgcagt	tacagcagcc	acaggggtca	1260
tgactctcag	gaggtgtgtc	ttctgggtat	ttgtttcttc	taactgcgtc	aatgtaagct	1320
tccgtccagc	gctccccgct	gccagagtc	gccgccatat	cggttcccaa	tcagcaggtc	1380
cgccgagcct	cccccgcgcc	cgccacgcg	tccg			1414

<210> 5223
 <211> 206
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (23)...(151)
 <223> similar to gil90482 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5223

cagtttgta	aagggggatt	ttggcccccc	ccccaaaac	ccaaaagtt	tttttggggg	60
tttaaaaagg	gggccccccc	cgggccaagg	ggggccaccc	cggggtttcc	ccccctttgg	120
gggtttaaaa	agggggcccc	cccatgggtt	taagggtttc	cacaccgggt	ccacgggggtg	180

<210> 5224
 <211> 429
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(200)
 <223> similar to gi5019774 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5224
 gagagaccag gtggactgga gtagactgtt gagagacgct ggtctggtga agatgtccag 60
 gaaaccacga gcctccagcc cattgtccaa caaccaccca ccaacaccaa agaggcgagg 120
 aagtggaagg ttccaagac aacccggaag ggaaaaggga cccatcaagg aagttccagg 180
 aacaaaaggc tctccctaaa agaccgccgc ttcaaaaaaa cctgaggaat ggagtgggcc 240
 aacactatcc agccactctg accagccgaa cgagggaactc aatcaaaatg agccatagcg 300
 ggaccacaag ggcaaggaga ccaccacctt ctccagtctc tcttcggaca gccagtaatt 360
 cccgggcaag gccagagact tcaagtctat ctgaaaagtc tccagaggtc taaccccaga 420
 taaatagcc 429

<210> 5225
 <211> 2318
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(2319)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (4)...(1002)
 <223> similar to gi3929219 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5225
 ccatctagcc catcaagcct ttctgctgcc agcagtcttg acaacttatc tgggagtttt 60
 tcagaactgt cttcagtagt tagttcaagt ggaacagagg gtgcttccag tttggagaaa 120
 aaggagggtc caggagtaga ttttagcata actcaattcg taaggaatct tggacttgag 180

cacctaattgg	atatatttga	gagagaacag	atcacttttg	atgtattagt	tgagatgggg	240
cacaaggagc	tgaaggagat	tggaatcaat	gcttatggac	ataggcacia	actaattaaa	300
ggagtcgaga	gacttatctc	cggacaacaa	ggctttaacc	catatttaac	tttgaacacc	360
tctggtagtg	gaacaattct	tatagatctg	tctcctgatg	ataaagagtt	tcagtctgtg	420
gaggaagaga	tgcaaaagtac	agttcgagag	cacagagatg	gaggtcatgc	aggtggaatc	480
ttcaacagat	acaatattct	caagattcag	aaggtttgta	acaagaaact	atgggaaaga	540
tacactcacc	ggagaaaaga	agtttctgaa	gaaaaccaca	accatgccaa	tgaacgaatg	600
ctatttcatg	ggtctccttt	tgtgaatgca	attatccaca	aaggctttga	tgaaaggcat	660
gcgtacatag	gtggtatggt	tgagagctgg	atattattttg	ctgaaaactc	ttccaaaagc	720
aatcaatatg	tatatggaat	tgaggagggt	actgggtgtc	cagttcacia	agacagatct	780
tgttacattt	gccacaggca	gctgctcttt	tgccgggtaa	ccttgggaaa	gtctttcctg	840
cagttcagtg	caatgaaaat	ggcacattct	cctccagggtc	atcactcagt	cactggtagg	900
cccagtgtaa	atggcctagc	attagctgaa	tatgttattt	acagaggaga	acaggcttat	960
cctgagtatt	taattactta	ccagattatg	aggcctgaag	gtatggtcga	tggtataata	1020
gttattttta	gaaactaatt	ccactgaacc	taaaatcatc	aaagcagcca	gtggccctct	1080
acgttttact	cctttgctga	aaaaaaatca	tcttgcccca	caggcctgtg	gccaaaagga	1140
taaaaatgtg	aaacgaagtt	taaacattct	gaccttgata	aagcctttta	ataatgtacc	1200
agtgttttcc	taaatatatt	cctgtttttt	ccagcacttt	aacagatgcc	cattccccgg	1260
ttaaactggg	gttgtctgta	cctaaattat	aaacagagtt	aacttggaac	cttttatatg	1320
ttatgcattg	attcctaaca	aactgtaatg	ccctcaacag	aactaatttt	actaatataa	1380
tactgtgttc	tttaaaacac	agcattttaca	ctgaatacaa	tttcatttgt	aaaactgtaa	1440
ataagagctt	ttgtactagc	ccagtattta	tttacattgc	tttgtaatat	aaatctgttt	1500
tagaactgca	gcgggtttaca	aaattttttc	atatgtattg	ttcatctata	cttcatctta	1560
catcgtcag	attgagtgat	ctttacattt	gattccagag	gctatgttca	gttggttagt	1620
gggaaagatt	gagttatcag	atttaatttg	ccgatgggag	cctttatctg	tcattagaaa	1680
tctttctcat	ttaagaactt	atgaatatgc	tgaagattta	atgtgtgata	cctttgtatg	1740
tatgagacac	attccaaaga	gctctaacta	tgataggtcc	tgattactaa	agaagcttct	1800
ttactggcct	caatttctag	ctttcatggt	ggaaaatttt	ctgcagtcct	tctgtgaaaa	1860
ttagagcaaa	gtgctcctgt	tttttagaga	aactaaatct	tgctgttgaa	caattattgt	1920
gttcttttca	tggaacataa	gtaggatgtt	acatttccag	ggtgggaagg	gtaatcctaa	1980
atcatttccc	aatctattct	aattacctta	aatctaaagg	ggaaaaaaa	aatcacaaac	2040
aggactgggt	agttttttat	cctaagtata	tttttctctg	ttctttttac	ttggttttat	2100
tgctgtattt	atagccaatc	tatacatcat	gggttaaactt	aaccaggaa	ctataaaatg	2160
taggttgtct	cagtcccttc	cagggentcc	ggatggggca	agtgcagttg	aaacagggtg	2220
cttcttgctc	ccgggggttt	tctnctgga	tgttatggcc	cattgggaat	tngccgtcag	2280
tttgtgcacc	attggggggac	cngggcngtg	ctcagttt			2318

<210> 5226

<211> 1464

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (332)...(677)

<223> similar to gi6010482 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5226

aaccctcttc tgttccaagc actgtgtgag accctgcctt ggataagtca aatgcatgag 60

```

cttaggaaag tagagtaact gctacaaata ataaaaaaca gatacatctg cagtcaagac 120
agtcaccacc gaagagtacc tggatgaaccc tgtgggcatg aaccgctaca gcgtggacac 180
ctccgcctcc acctttaacc acaggggctc cttgcacccc tctcctcgc tgtactgcaa 240
gaggcagaac tctggagaca gccaccttgg ggggtggcct gctgccaccg ctggtggtcc 300
ccgcactagc cccatgtctt ctggtggccc ctcggcacct gggctgaggc ctccagcctc 360
cagccccaag agaaacacga cctctcttga aggaaacaga tgtgcctcaa gcccttctca 420
ggatgcgcag gatgccaggc ggccacggag caggaacccc tccgcctgga ctgtggagga 480
cgtggtgtgg tttgtgaagg acgccgaccc acaggctctg gggcctcacg tggagctctt 540
cagaaagcac gagattgatg gcaacgctct gctgttctg aagagtgaac tggatcatgaa 600
gtacctgggc ctgaagctgg gacccgcact gaaactctgc taccacattg acaaactgaa 660
gcaagccaag ttctgacgtt tttaaaaaga cagaagcgaa acccaaaaaca acagatccca 720
agattatctt ctgccttacc aatatcccg ccaacatcaca aaatagactc tctctttaa 780
attaacagcc acagagacgt ggtcttttta taaaacttgt gaatctttgc cttttgaaga 840
atttaacatg gaccttttcg agaggctcct ctgtgttcat aatttgccaa aaaattacaa 900
aagcctgtga tttttaacat cctgtttatg ctgatttctc ttaaagtggg tcctatttgc 960
ataacgagag agtggggaac tgaatgctta tgcccaagga gagttctgga gggttcaaag 1020
gatgaaagaa ggacctttgt cctgcggtc tctgcaggga cccccccctc aacaccatct 1080
gcctctaact ctgacctggg gacctatccc tgtgagcctt gtttgccctc gctctggaag 1140
ctgacttctg aagatgactg cctcaccttg cactgtctgg aaaacttgaa ttattttacg 1200
ccgtgaaaga aaaaggaaaa aaaaaaaat cttttctgtt cctaaaaaat ctgaagaact 1260
gggtttctcc gctagagggc aaactgctaa tgaaatttca ggaccctcac tgactgcagt 1320
agcaggattg ttcagtactg agtggatggg ttaggggtgc tgtgaacaaa atctacccca 1380
cacagaaaca ggggatttat tccacagtta gcaccacaga ttgcgacttg ggaagaaacc 1440
atcagctaga ggggtctagt tcgt 1464

```

```

<210> 5227
<211> 1306
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1164)...(722)
<223> similar to gi4468812 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5227
tttttttttt ttccaatgcc aaaaactggt gatttataga aattcacccct ggtttatattt 60
tttcaaccaa aggaaaaaaaa aaacatggtt caataattca gcatttgga ctctggcaag 120
tactgtctgc attgttcaaa ataagtgttc ctggctgtga cgctctgcaa ccacatactg 180
atcgcgccca ggaaccttct tccatggttc taataaaaca aaggaccac acatggagcg 240
ttacgtgagt caacaaaaga tgctctatca caatgggtgcg taaaaagcaa gtctttgaaa 300
aatatccaga tctctaaagc gaatacaaac actcctattt ggggtttgtt tttgttcac 360
ttcagtattt atattttagt tgttgaggaa aatttttttt actgtaagga aggagttata 420
tggaacttat aaagtgggaa ccaacaggct gccggctaac acatacgctt tccctccaag 480
tcaagtagct ttttcccccc gaaagcctct ttcattgattt tcattatggt tcagaaaagt 540
aaagaaaatg atttcaagta ttcaattcct ataaaaattg gtatcaaaaag taatagagga 600
cctaatttct ttataattcc atgtttttaa aaataactta agaagcaaga ggtccggccc 660
tttacttgta taaatacagc agcagaacta gagtttctta agacaacgtg gagaagagtc 720
tgtgttttagc acctcaatca tcgatcttaa cgtttgaaac gtttctgaaa ctgatggaag 780

```



```

agtcttataa gaaggtgaaa tacttttcaa gttcatccag cttttggcga ctttgctaaa 840
ggcctctgaa ccaggggctg tcatagcttc aaagtcgact aacttccctt tgggaatttt 900
tcttgctact tcttttccac ttgccatcag tgctccacag atgaccgagt aagcaattac 960
actggatcct cgagagagtg gcattaaatt ataaaagtaa taaactaagg ataagattaa 1020
gttgacagaca gcatcagcct ccccaaattc tgatgaaaga atcaatactt ttccttttgc 1080
tgtcaaactc ttataaagtg catctatttc agcatgatat aattgtgtcc tttcttccgt 1140
ggtttgagtt tccacagaaa ataatatatt gccaaactttg tctcctgtaa tcgtgattgt 1200
gaatccatca tattccttcc cttggtcttt aaggctggga acttttgtgt tcacggtgaa 1260
cccatccttc gtttttagtat taaactgctt cataatcgga agaagg 1306

```

```

<210> 5228
<211> 4260
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1)...(2458)
<223> similar to gi4240241 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5228
gccggcttca atcacggggt ccaactgcgca gaatctacca acttcgccac cctgcggtgg 60
attgactacg gcaaagtggc cactcagtg cagtgccgga aggacatggt caagatctcc 120
atggacgtgt tcgtgcgcat cctgcagccc gagcgctacg agctgtggaa gcagggcaag 180
gacctcacgg tgctggacca cagcgggccc acggcgctca ccagccccga gctgagctcc 240
tgagtgctgt cccgggcctc gctgaaggcc aagctcctcc gcaggtctca ccggaaacgg 300
agccagccca agaagccgaa gcccgaaagac cccaagttcc ctggggaggg tacggctggg 360
gcagcgctcc tagaggaggc tgggggcagc gtgaaggagg aggctgggcc ggaggttgac 420
cccaggaggg aggaggagga gccgcagcca ctgccacacg gccgggaggc cgagggcgca 480
gaagaggacg ggaggggcaa gctgcggcca accaaggcca agagcgagcg gaagaagaag 540
agcttcggcc tgctgcccc acagctgccg ccccgccctg ctacttccc ctgagaggag 600
gcgctgtggc tgccatcccc actggagccc cgggtgctgg gccagggccc tgcagccatg 660
gaggagagcc ccctgccggc accccttaat gtctgtcccc ctgaggtgcc cagtgaggag 720
ctagaggcca agcctcggcc catcatcccc atgtgttacg tggtgccgcg gccgggcaag 780
gcagccttca accaggagca cgtgtcctgc cagcaggcct ttgagcactt tgcccagaag 840
ggtccgacct ggaaggaacc agtttcccc atggagctga cggggccaga ggacggtgca 900
gccagcagtg gggcaggtcg catggagacc aaagcccggg ccggagaggg gcaggcaccg 960
tccacatttt ccaaattgaa gatggagatc aagaagagcc ggcgccatcc cctgggcccg 1020
ccgcccaccc ggtccccact gtccgtggtg aagcaggagg cctcaagtga cgaggaggca 1080
tcccccttct ccggggagga agatgtgagt gaccggagcg ccttgaggcc gctgctgtct 1140
ctgcagtgga agaacagggc ggccagcttc caggcgaga ggaagttaa cgcagcgctc 1200
gcgcgcacgg agccctactg cgccatctgc acgctcttct acccctactg ccaggcccta 1260
cagactgaga aggaggcacc catagcctcc ctcgagagg gctgcccggc cacattaccc 1320
tccaaaagcc gtcagaagac ccgaccgctc atccctgaga tgtgttcac ctctggcgg 1380
gagaacacgg agccgtgccc tgccaactcc tacatcggcg acgacgggac cagccccctg 1440
atcgctgctg gcaagtgtc cctgcaggtc catgccagtt gctatggcat ccgtcccag 1500
ctggtcaatg aaggctggac gtgttcccg tgccgggccc acgcctggac tgcggagtgc 1560
tgctgtgca acctgcgagg aggtgcgctg cagatgacca ccgataggag gtggatccac 1620
gtgatctgtg ccacgcagc ccccgaggcg cgcttcttga acgtgattga gcgccaccct 1680

```

gtggacatca	gcgccatccc	cgagcagcgg	tggaagctga	aatgcgtgta	ctgccggaag	1740
cggatgaaga	aggtgtcagg	tgcctgtatc	cagtgtcctc	acgagcactg	ctccacgtcc	1800
ttccacgtga	cctgcgcccc	cgccgcaggc	gtgctcatgg	agccggacga	ctggccctat	1860
gtggtctcca	tcacctgcct	caagcacaag	tcgggggggtc	acgctgtcca	actcctgagg	1920
gccgtgtccc	taggccaggt	ggtcatcacc	aagaaccgca	acgggctgta	ctaccgctgt	1980
cgcgatcatcg	gtgccgcctc	gcagacctgc	tacgaagtga	acttcgacga	tggctcctac	2040
agcgacaacc	tgtaccctga	gagcatcacg	agtagggact	gtgtccagct	gggaccccct	2100
tccgaggggg	agctggtgga	gctccggtgg	actgacggca	acctctacaa	ggccaagttc	2160
atctcctccg	tcaccagcca	catctaccag	gtggagtttg	aggacgggtc	ccagctgacg	2220
gtgaagcgtg	gggacatctt	caccctggag	gaggagctgc	ccaagagggg	ccgctctcgg	2280
ctgtcactga	gcacgggggc	accgcaggag	cccgccttct	cgggggagga	ggccaaggcc	2340
gccaagcgcc	cgcggtgtgg	caccccgctt	gccacggagg	actccggggc	gagccaggac	2400
tacgtggcct	tcgtggagag	cctcctgcag	gtgcagggcc	ggcccggagc	ccccttctag	2460
gacagctggc	cgctcaggcg	accctcagcc	cggcggggag	gccatggcat	gccccgggcg	2520
ttcgcttgct	gtgaattcct	gtcctcgtgt	ccccgacccc	cgagagggcc	acctccaagc	2580
cgcggggtgcc	ccctagggcg	acaggagccc	agcggggacgc	cgcacgcggc	cccagactca	2640
gggagcaggg	ccaggcgggc	tcggggggccg	gccaggggag	caccccactc	aactactcag	2700
aatttttaaac	catgtaagct	ctcttcttct	cgaaaagggtg	ctactgcaat	gccctactga	2760
gcaacctttg	agattgtcac	ttctgtacat	aaaccacctt	tgtgaggctc	tttctataaa	2820
tacatatgtt	ttaaaaaaaa	gcaagaaaaa	aaggaaaaaca	aaggaaaaata	tccccaaaag	2880
tgttttctag	atttgtggct	ttaagaaaaa	caaaacaaaa	caaacacatt	gttttttctca	2940
gaaccaggat	tctctgagag	gtcagagcat	ctcgctgttt	ttttgttggt	gttttaaaat	3000
attatgattt	ggctacagac	caggcaggga	aagagaccgc	gtaattggag	ggtgagcctc	3060
ggggggggagg	ggcaggacgc	cccggtttcg	gcacagcccg	gtcactcacg	gcctcgctct	3120
cgccctcacc	cggtcctcgg	gctttgatgg	tctgggtgcca	gtgcctgtgc	ccactctgtg	3180
cctgctggga	ggaggcccag	gctctctggt	ggccgcccct	gtgcacctgg	ccaggggaag	3240
cccgggggtc	tggggcctcc	ctccgtctgc	gcccaccttt	gcagaataaa	ctctctcctg	3300
gggtttgtct	atctttgttt	ctctcacctg	agagaaaacgc	aggtgttcca	gaggtttcct	3360
tgcagacaaa	gcacccctgc	acctcctatg	gctcaggatg	agggaggccc	ccaggccctt	3420
ctgggttggt	gtgagtgtgg	acagcttccc	agctcttcgg	gtacaaccct	gagcaggctc	3480
ggggacacag	ggccgaggca	ggccttcggg	gcccctttcg	cctgcttcgg	ggcagggacg	3540
aggcctgggt	tcctcgctcc	acccacccac	gctgctgtca	cctgagggga	atctgcttct	3600
taggagtggg	ttgagctgat	agagaaaaaa	cggccttcag	cccaggctgg	gaagcgcctt	3660
ctccagggtgc	ctctccctca	ccagctctgc	acccctctgg	ggagccttcc	ccaccttagc	3720
tgtctcctgc	cccagggagg	gatggaggag	ataatttgct	tatatataaa	acaaaaaatg	3780
gctgaggcag	gagtttgga	ccagcctggg	ctatatagca	agaccccatc	actacaaatt	3840
ttttacaaat	tagctagggt	tgggtggtgc	cacctgtggt	cccagctact	cgggaggctg	3900
tgggtgggagg	attgcttgag	tccaggaggt	tgaggctgca	gtcagctcag	attgcaccac	3960
tgcactccag	cctgggcaac	agagcgagac	cctgtctcca	aaaaaaaaaa	aaagccaggg	4020
tttattttta	aaaggggggc	tcaaacgccc	ccgggcttgg	ggggccctgg	ggaaccccag	4080
aggggggtccc	ccaggacca	cccttttttt	ttttttgggg	gggggggggg	gggcctgccg	4140
tacaaggagc	tggccaggat	aaggcaggag	gatcacataa	aataaggggg	tcgaggttta	4200
agcgagaaac	caatgcccgg	agggccctcc	aaaccttggt	ttactcaagt	ggccacctcg	4260

<210> 5229

<211> 1211

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1085)

<223> similar to gi402647 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5229
aggaatgggt ccctgccaac accgagcccg tggagcgctg tggcttcacc gtcaagaatc 60
tcccgaccgg agccagaatc ctcttccgag tagttggggg caacatcgcg gggcgagcg 120
agccggccac cctggcccag ccggtcacca tcagggagat tgcggagcca cccaagatcc 180
ggcttccccg ccatctccgc cagacctaca tccgcaaagt gggcgagcag ctcaaccttg 240
tcgtcccctt ccagggaaag ccccgcccc aggtggtgtg gaccaagggc ggggccccgc 300
tggacacctc ccgctgcac gtgcggacca gcgacttcga caccgtgttc ttcgtgcgcc 360
aggcggcccg ctccgactcc ggggagtagc agctgagcgt gcagatcgag aacatgaagg 420
acaccgccac catccgcac cgcttgttg aaaaggctgg gcccccata aacgtgatgg 480
tgaaggaggt gtggggcacg aacgcgctgg tggagtggca ggccccaaa gatgatggga 540
acagtgaagt catggggtat ttcgtccaga aagcagacaa aaaaaccatg gagggttca 600
acgtctatga acgtaacagg cacactagct gtactgtgtc cgaccttatc gtgggcaatg 660
aatactattt ccgagtttac accgagaaca tctgtgggct cagtgtactc cctgggtgtc 720
ccaagaacac ggcccgcatc ctcaagacag gaatcacctt caaacggtc gaggataagg 780
agcatgactt ccggtatggc cccaagttcc tgacacctct catagaccgc gtggtcgtgg 840
ctgggtactc ggcagccctc aactgtgctg tcagaggcca cccgaagccg aaggtggtct 900
ggatgaagaa caagatggaa atccgtgaag atccaagtt cctgataacc aattaccaag 960
gagtcctgac gctgaacatc cgctcgccct cgcccttcga cgctgggact tacacctgcc 1020
gggccgtcaa cgagctgggc gaggcgctgg ctgagtgaag gctggaggtc cgagtgcgcg 1080
agtgagacct gtcccctacc tgccaagaca attggtggtg gagtctgac cccaatcccc 1140
aacctcccag gactgtgttc tttctggagt tttcgctgag aacaaaacag tgttgtctgg 1200
aaaaaaaaa a 1211

<210> 5230

<211> 2018

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(527)

<223> similar to gil842216 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5230
gaacgctcaa gtcgaccatc cgtatcaagc acagcgggaa tgacttcaag tgtcctcatt 60
gcgccttcct ggggtgacagc aaagccaccc tccggaagca cagccgcgtg caccagtcgg 120
agcatcgatga gaagtgtctg gaatgcagct actcctgctc cagcaaggcc gccttgcgca 180
tccacgagcg tatccactgc accgtccgcc ctttcaagtg caactactgc agcttcgact 240
ccaaacagcc cagcaacctg agcaagcaca tgaagaagtt ccacggggac atggttaaga 300
ctgaggctct agagaggaag gacaccggca ggcagagcag ccggcagggtg gccaaagctgg 360
atgccaaagaa gaggttccac tgcgatatat gcgatgcctc cttcatgcgg gaggactcgc 420
tccgcagcca caagagacag cacagtgaat acaatgagag taagaactcg gacgtgaccg 480
ttctccagtt tcagatcgac cccagcaagc agcccgccac gccctcact gtgggacacc 540
tccaggtgcc cctccagccc agccaagtgc cccagttcag cgagggaaga gtcaaaatca 600


```

acctcccaga accactctca gcatccaggt gctgactgca cagcagctgc ccaagctgaa 840
tgccgagaag ccacactcca ttgtggaccc cctgggtgcgc attgagatcc atgggggtgcc 900
cgagactgt gcccggcagg agactgacta cgtgctcaac aatggcttca acccccgtg 960
ggggcagacc ctgcagttcc agctgcgggc tccggagctg gacttggtcc ggtttggtgt 1020
ggaagattat gacgccacct cccccaatga ctttgtgggc cagtttacac tgccctcttag 1080
cagcctaaag caagggtagc gccacataca cctgctttcc aaggacgggg cctcactgtc 1140
accagccacg ctcttcatcc aaatccgcat ccagcgctcc tgaggggccca cctcactcgc 1200
cttgggggtc tgcgagtgcc agtccacatc ccctgcagag ccctctcctc ctctggagtc 1260
aggtgggtgg agtaccagcc cccagccca cccacttggc cactcagcc cattcaccag 1320
gcgctggtct cacctgggtg ctgagggctg cctggggccc tcctgaagaa cagaaagggtg 1380
ttcatgtgac ttcagtgagc tccaaccctg gggccctgag atggccccag ctctcttctg 1440
cctcagccca cccctcattg tgacttatga ggagcaagcc tgttgctgcc aggagacttg 1500
gggagcagga cacttggtgg ccctcagttc ccctctgtcc tcccgtaggc catcccagcc 1560
tccttccccc agaggagcgc agtcaactcca cttggccccc accccgagct tagcccctaa 1620
gccctccttt accccaggcc ttccctggact cctccctcca gctccggaac ctgagctccc 1680
cttcccttct caaagcaaga agggagcgct gaggcatgaa gccctgggga aactggcagt 1740
aggttttggg ttttattttt tgagacaggg tctcgctcca tcgcccaggc tggagtgcaa 1800
tggtgcaatc atggctcact gcagctttga actcccaggc tcaagcgatc ctcccatctc 1860
agcctcctga gtagctggga ctacaggcac aggccaccaa acctgggctaa tgtttaaatt 1920
ttatgtaaag atggcggggg gggcgggggt ctccctatgt tgcccaggct ggtctcgagc 1980
tcctgacctc aagtgatcct cctgccccag cattccaaag tgctgggatt acaggtgtga 2040
gccactgcct ggcctggccg taggtttgta actgtttcat agaagagccc tggagaagac 2100
agtagaatga gcctatctag tttaaaaaat aaagaagcac gttgatttca aaaaaaaaa 2159

```

```

<210> 5232
<211> 1148
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (478)...(594)
<223> similar to gi4102711 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5232
agtcattgca tgaccatgat tacgtctagc ctggccgcag gcctagcacg cacctattgc 60
tgacaccctg agtttaattt tgttacccgc cgtgcggcac acgtgggata aaagctgaag 120
gaggactgta acaacactga caacaaagaa cggaagtcct tccagaagga gcttgggatg 180
gccctactga agatggactg ccagggcctg gtggtcagac tcatccagga ctttgtgctc 240
ctgaccacgg ctgtagaggt gggccagcgc tggcgggagc tggctgagaa gctggccaag 300
gtctccaagc agcagatgga gcctacgag tctcccacc gggacaggaa cggggttgtg 360
gacagcgagg ccatgtggaa gcctgcgtat gacttcttac tcacctggag ccatcagatc 420
ggggacagct accgggatgt catccaggag ctgcacctgg gcctggacaa gatgaaaaac 480
cccatcacca agcgttgaa gcacctcact gggactctga tcttggtgaa ctccctggac 540
gttctgagag cagccgcctt cagccctgcg gaccaggacg acttcgtgat ttgaatgggt 600
cccctcccct cctgctgctc tggagtgcaa gccctcttct gccctgcgtg ccctgctgctc 660
accgcggagc tgaagaggga ggaaggggag gctgctcaga cagatttagg gcccgcagc 720
taggctacac ccatcatgcg ccgccctcct ccatcgaggg agaggcctga agggactgcc 780
tactgcagct cgttgccaat cacatagctt tctatttggt aagtataaat ttaaatttaa 840

```

aatcactttt	ttaacgaatg	gggggaaggg	atctatgaga	aaggtggtat	ctaatttttt	900
tatggaccat	aaaggtttta	aagaaaatag	gggcacaggg	tggtgaggtt	tttatgttgt	960
tatagacctt	tttaaattat	gtagagatg	tatataggtg	tttaaagggtc	actgggagca	1020
tttctgattc	ccgggccaca	cttttgcat	tcaacactca	agcccgggaa	aagatgctcg	1080
ttcggatgtt	gtacctcttt	cactccctgc	gagtagcact	gtgaatgacg	tattaaaaag	1140
tggtcttt						1148

<210> 5233

<211> 3675

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (3676)...(2035)

<223> similar to gi4101480 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5233

ccatcatgga	gcacctgcgg	gaattcctgt	taacaggccg	tgaggacctt	cagcctgtgc	60
agatccagag	cctggagaca	ctgggggtgc	tggcacgagc	agtgggggag	cccatgaggg	120
cgctggctga	ggaatgctgc	cagctgggtc	tgggcctctg	cgaccaggta	gacgacgctg	180
acttgccggc	ctgcacgtac	agcctatttg	cagccttata	gggtctgatg	ggtgagggcc	240
tggcgcccca	cttggaaacag	atcaccacgc	tcatgtctgt	gtcactgcgt	tccaccgagg	300
gcattgtgcc	tcagtatgac	gggagcagct	ccttccttct	gtttgacgat	gagagtgatg	360
gggaagaaga	ggaggagctc	atggatgagg	atgtggaaga	agaggatgac	tcagagatct	420
cagggtagac	cgtggagaat	gccttcttct	atgagaagga	agacacctgt	gctgccgtgg	480
gggagatctc	tgtgaacacc	agtgtggcct	tccttccata	catggaaagt	gtctttgaag	540
aagtatttaa	actgctggag	tgccctcacc	tgaatgtgcg	gaaggcagcc	catgaggctc	600
tgggtcagtt	ttgctgtgca	ctgcacaagg	cctgtcaaag	ctgcccctcg	gaacccaaca	660
ctgctgcttt	gcaggctgcc	ctggcccag	tcgtgccatc	ctacatgcag	gcagtgaaca	720
gggagcggga	acgccagggtg	gtgatggccg	tgctggaggc	cctgacaggg	gtgctccgca	780
gctgtgggac	cctcacactg	aagccccctg	ggcgccctcg	tgagctctgt	ggcgtgctca	840
aggctgtgct	gcagaggaag	acagcctgtc	aggatactga	cgaggaggag	gaagaggaag	900
atgatgatca	ggctgaatac	gacgccatgt	tgctggagca	cgctggagag	gccatccctg	960
ccctggcagc	cgcggtggg	ggagactcct	ttgccccatt	ctttgccggt	ttcctgccat	1020
tattggtgtg	caagacaaaa	cagggctgca	cagtggcaga	gaagtccttt	gcagtgggga	1080
ccttggcaga	gactattcag	ggcctgggtg	ctgcctcagc	ccagtttgtg	tctcggtctg	1140
tccctgtgct	gttgagcacc	gccaagagg	cagaccccga	ggtgcgaagc	aatgccatct	1200
tcgggatggg	cgtgctggca	gagcatgggg	gccaccctgc	ccaggaacac	ttccccaaag	1260
tgctggggct	cttttttccc	ctcctggcgc	gggagcgaca	tgatcgtgtc	cgtgacaaca	1320
tctgtggggc	acttgcccgc	ctgttgatgg	ccagtcccac	caggaaacca	gagccccagg	1380
tgctgggtgc	cctactgcat	gccctgccac	tgaaggagga	cttggaggag	tgggtcacca	1440
ttgggcgcct	cttcagcttc	ctgtaccaga	gcagccctga	ccaggttata	gatgtggctc	1500
ccgagcttct	gcgtatctgc	agcctcattc	tggttgacaa	caagatccca	ccagacacca	1560
aggccgcact	gttgctgctc	ctgacgttcc	tgcccaaaaca	gcacaccgac	agctttcaag	1620
cagctctggg	ctcactgcct	gttgacaagg	ctcaggagct	ccaagctgta	ctgggcctct	1680
cctagactgc	aggctgcagc	cagtccagag	agaatagagc	ctgcccaggc	cttaagacca	1740
cctctcagcc	cagttcagtt	ctgccttacc	aaagattctg	agactcatac	ccatttgagg	1800
ccagccccac	ttgctgcctt	acagggctgt	ccctgaggct	ggatctgtta	caaatgagtc	1860

atgacatcat	actgtaataa	aagcagcttg	ttttctgctt	gaacaatagc	tctgagagca	1920
agaaggctgg	aaatgcacat	tcagaaatga	ggtaagcagg	acccagttag	gcacgacgtg	1980
gtttactaga	agtggccggg	ttcctggcag	ctttgtaaat	ggactctaac	ctcagtggaa	2040
tctgggcccc	ggctggatca	ggagcgacc	atatggcttt	tcttgtttca	cgtgaagaat	2100
ctgttgcgct	gagagcacca	ggagcaggta	gaagaccg	gcagccatcc	tgcgggggct	2160
gagaggtgac	accaggctgc	tgaagtcggg	ctccctgtta	gcctgcagct	ccagtgccac	2220
tgccctgtgc	actgcttcca	gtgagagcag	ctcgagctct	gggggcagca	ccaaaggcat	2280
ctccatgggc	acctcaggga	gttcaggcac	cacgggcaat	gcaggagctt	ctggcgccctc	2340
cacctcaggc	caggcccacc	gttcttcttg	tgggatgagg	ctgatgcggg	acttctcctc	2400
ttcagctgcc	tctagggaga	tctctaaaga	caccataagg	ggaacactgg	gctccagggc	2460
ctccctcggg	acctcaatct	cacttggaac	ttcaatcttt	ctcctttcct	cctcagcggc	2520
tgccctctca	ggcagctctc	gcctgagggc	ttttgggggt	ggctgggcac	aatgggtcca	2580
gagacccagt	agttcagggg	gtagccagcc	agagagagtt	ggggttctga	acaactccgc	2640
agggcctctg	atggctcctct	cgggcggctg	caccatggga	cattcccagc	agtgggctct	2700
ggtttgagct	tggtcctgga	atttctccgg	ggagatctga	gtctccttgt	cccagaacag	2760
taaccggcga	cgacggcggc	ggcgaggagg	tggggggact	gggggcctcc	tctctgggct	2820
gggtggggct	ggcagacgca	gctcctccgg	gggggtcacc	tccatgagta	gggccccagg	2880
ttcccagcct	gtcagcctca	gctcctcagg	acccagtgcc	tctcctattc	cttccacctc	2940
tgcaggagct	ggaggtggga	gccgcgggat	ttctaacaag	atagcttctt	cttctctctgc	3000
gatcagcagg	tccagttctc	ggcggtctgac	ctctgggagc	tcccgttcac	cctcaatctc	3060
cagcatccgt	atgggctctg	cctccaggat	cgtgatggcc	tcaggtggca	gcacagtgc	3120
cggaatcctc	tctggctccc	tgggctctgt	aggaacttca	ggagggatct	cttcaactct	3180
ctctgggatt	gcagcctcta	agaggtgtcg	aatctgaggg	atatacgaaag	gactaggaag	3240
tctgggatcc	acagacatca	tcccaaaaaa	gggatctgga	gcatcttcta	gggtctccat	3300
catggccagg	tggttaggaa	gcagcaggct	gggtagctca	gtctccatat	ctattcggat	3360
ctgcagctgg	gcacggtgga	ggcgctccaa	gatgtgctgg	atgtcctcca	cgagggtactg	3420
gcattgttga	gaatagacgc	ggatcacacc	gatctgaagt	tgggctgaga	gatagaggga	3480
gaagcggggc	cgcggcaggc	cgggctgcgg	gggttgcact	cgtaccagca	cgtaattgag	3540
gatttcctcg	caggttttca	ccacattcac	cctcaggtat	tcgcgcttca	ccaaccggct	3600
gccgcgagtc	gccgccagcc	agatggtggc	aaagcagccg	gtgtggcgct	gaagcacgtt	3660
gggatatgtag	aacat					3675

<210> 5234

<211> 1747

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(416)

<223> similar to gi2739105 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5234

gcgaccgcca	actggacggc	gggcttcagc	cgtgggceca	cgccgcccgc	gcttgtgggc	60
atccggcccc	catggccggg	ccgcggcgcg	cgccgcctcc	tcgtgctgga	agaattcaag	120
acggagaaga	ggctgtgcga	gatgttctac	gccgtcacgc	tgtcttctct	gctcctctgg	180
gggcccacg	tcgtggccag	ctacctgcgg	gtcctggtgc	ggcccggcgc	cgtccccag	240
gcctacctga	cggcctccgt	gtggctgacc	ttcgcgagg	ccggcatcaa	ccccgtcgtg	300
tgtctcctct	tcaacaggga	gctgagggac	tgcttcaggg	cccagttccc	ctgctgccag	360

```

agccccgga ccaccaggc gacccatccc tgcgacctga aaggcattgg tttatgaggg 420
aggccccgcc acatagaccc ccaacccagc ctttcccttt ggctcggacg gtgacgttgt 480
atcttttccct tctggccctt gtttaatttt ctaagctgcc ttcaaaatga ctggaagtgg 540
acagacactt ggattgtact gactcctttg gggggggggg gggtgaggag taagatgctc 600
agcccactcc agctccgcac attcgtcctc ctaactcgac tttcttcctg acaataggcc 660
ctgcagtctt tttgtagcgg tactgacgtc ttttattcca tgtgtgggtc ctttttttct 720
ttttctataa aggtctgact aattttcttc atgcaacgtt tcctaaagac catggccagt 780
tttctacaga agctattttt tgacaacctc aagtgggcat tacattttgc agtgaagtag 840
agggaacctt gggggacttc ttcacaagtt agatttcttg aggatcttct gttggaagca 900
ggagaaagtg ggggggtggg gaagttgtcc gaaatgccct ctgaattgcc ggctgcaggg 960
tccttgtgct gcgctgggtc tttgaaagtc tcagtgttga tattgaactt aaagagcaga 1020
gatggagatc agtagcaagg cagtcatttt tttaaagcag taagtaacaa gtaagatttg 1080
gttcccgggtt tactttctgc tgctaaaaac cacgtcagtg acaactgctc tctgtattat 1140
agcaatcttg aatggaaaca tttctgtcaa gttgtaagtt ttaaaagagt aaagtgtttt 1200
ggttagtaat gatgtggaga aaaatacagt attgcatgtg ttcgtgtgta tagattgtgg 1260
ttcgaggatt gggagggtc tgagaagcag agtactacat caaaattgtt ttaagtattt 1320
tttgccaata aaaaattaat tttatggaaa tggcttgtgc tttgagaagc ccagttttat 1380
tctgtcttat gaaactaatt tccactttga aaattgttct tctgttgttt atggtataaa 1440
tgaatggaat ataatgatat cctccttcta ggaaacaaag catttcctta aaatgtttgc 1500
taggttaagc tgtgctgttc tactgatggt tgttttaaat taataatgag aactataatt 1560
taaataatat ttctttgtta gacattataa tgttaaactg aaagactaaa ttctgcaagt 1620
actatataat atttttggct tataatgcta catttttatt aatgtacctt ccgttttgag 1680
gatttatatc tgtatttctc tttgcattat acaaataac cagtattttc attctggaaa 1740
aaaaaaa 1747

```

```

<210> 5235
<211> 856
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2)...(201)
<223> similar to gi913894 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5235
agtgtataac agacaaacca tccaggtcag tttaatgcag aatggctacc cagtgatctc 60
ggcctttgca ggagaccagg atgtcaccag agaagctgct agcaatggcg tgctgctgct 120
catggaaagg gaagacaaag tgcattctcaa acttgagaga ggcaacctca tgggggggctg 180
gaaatactcc acattctcgg gcttcttggt gtttcctcta taaacacaga gccccctaga 240
tggtgggggga atggcaaac ggacccagga ctccgccctt taaaacaccc tgaacttact 300
ggaattggac acctgtttc caacctccgt cagactgttg cagtagaaga atgatttcct 360
ttgaaacctc cagtactttt gtttttgttt tttggaatac tgacaattcc tcgggaacct 420
ggcctctaat tagttttaga tgacaaggtc ttaaggagaa atgaaattat cgatttgagc 480
aatttgtagc tgtgattgta aagtcaatat cggattttat tgttgggacc atggacctct 540
tttgtttgta tgttgatttg tcgtcccaac ggaaggagag ctctgactc caggatgggc 600
tgcaggttgc agtcagggtc tgaagtagga gccagcaaa gaaccacctg ctggacagtc 660
ctttgacatg tgttctgtgt gtgtctgtat agccttaaga aaaagaatgg cttcactttc 720
attctgtatt cttcccccca ccatgtggct gggaggactt gggaggggga tggggacatt 780

```



```

aagccatccc gggaggccac cagcttgggc aggttgctga acatattctt gctcagaccg 2160
ccaatgtaca actccccttt gagatcgagg ttctggggcg cattggagtg ctgcgtgaca 2220
gtgcgggagt caatcttgag cgtgtgcacg ttgcctgggt ccctggacac caccacgttg 2280
tgccactggt tgtcattgac tggtttgtct gagttcccct tcatcaagga cgggccattc 2340
cccagggtcaa acacgtagtg gatgtacccc ttgaccagct cgatgacaat gaagtcattg 2400
ccgttgcccg agttgaacag aagaagccca tcaggggccc tggctctgaa ctggaagaag 2460
aggtgcatgg aagcataggc ttggagcgtg gcgagtgcc a ggtagctgct gcgactcttg 2520
aaggtgacgg gatcggccac aatggcacgc aggccaaaag gagcattgag ctcacagtag 2580
gtgatgtcac catccttgca ctgggccatg tagggctggc cattgaacac gagcccactc 2640
agatgcccga tgaagttgga gggcaccacg gagataaacc gccgctccgt catgatgccc 2700
gtctcaatgt tgtggaactc cagccgcata tgggctcctg ccatctgtcc ctccacagtc 2760
acgttgtcca cagacagctg caggctcttg ccacgccgga ccaccctcac cgtgtgccac 2820
tcattgtcat tgagcttggt ccccgaaac agcgtttcgg ggcttttact ggggtgcgag 2880
ccgacgcgca ggcagtcgag gttgacagt agcttcatc gcccccatc cagctccagg 2940
cgtaggggtg ggcagactc cctggaagt gtggccatca tgagtccgta ggcccgtgg 3000
gacatgaaac gcagggacac atcctctgcc tccgtgtgca tggcgttagg cagcatgatc 3060
ttcatgtaca tggagccatc gtagctcagg accgtggcct ctctctcaca gaccgcacca 3120
agaaagccgg tcccgatgca gtcacagatg aagcggttcc agccttctcg acagacgccc 3180
ccattgcgac agggggcaga tgcacactgc ttcagcgtct cccgggagca aaagggggca 3240
acgcccacag ccccctgagc ctacagccagg ccccgagggt ctcggtacg cccatctatg 3300
aagaggtccc gcacacagcc cagctagcct gcccggagt ctgctgtcca cacctctggg 3360
ggcaggggca ggtccacccg gccccctca gggagaccgc ccaggtacag ctactctcc 3420
aggtccagaa tctcgctgtc tccagtggcc aagaacggcg tgctgcgact attcactgag 3480
atggagcctt ttcgcccata cctctggaag tccacgtgac accactcgcc atcattgacc 3540
ttgcggctgg atgcccgcag cttgatgccc ccagatccca tgtccagcag aagatagagg 3600
tggccgtcca atagctccat ggcaaagtag tcggcccgt gagcagagct gtggctgcca 3660
gctccacccc cagcccgcg gccctggctg aagagcagca gccattggg ctcggtggtg 3720
cggaagtcta gggagatgga gccagtgcgc ttagcgtctc agcggggcag cgccacaaag 3780
gcctcgggac tctcaaaggt cacagggtcc agggcagcca catcctcaca gcggaatgac 3840
aagtccccct gcagcttcat cttgggggtcc ccttcctttg ccaggcgga tagttccaat 3900
ttgaagtcac tgttcttata gaccacgtcc ttgaggcagc ccatgaagtt gttgctgacg 3960
ggcgagcccc gcaggtcagc tgtgttggg ctgccccaa tgtagaagaa gtcacagag 4020
cccagcatgg tgtaatcctc ctgcgtgtag cctgtggtgg tcaggatccc gtccaccgag 4080
atggtcacca tagcgtgtcc aatccctgcg tgctggcgca ggtttcgggt gacccggacg 4140
tcgtgccagg cgttgtcgtt gaacttgcca ttgacgggtt ccacaagggc ctggaaggca 4200
cctgagccta ggttgatgac cagccagaca gcccagact tgagggacag gttgacgtag 4260
tcggccgact tgctgtatg cagcatcagg ccgttgctt gcagggtgcg gaaggccagt 4320
gtgatctcat cagtgtgct ctggatgggg ttgtgtgaca ggtcgtagca gaagaactca 4380
ttgcctttga aggtcgccac aaactcctcc ttgccttttg ttggctggtg cacatcgccg 4440
gctcctcctc t 4451

```

<210> 5237

<211> 1230

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1198)...(295)

<223> similar to gil041396 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5237
tttttttttt ttgggatttc aaaagtttat ctcaatctcc tcattcccag acttccaggt    60
gggaggcagg cggggcagta atgtgagcat ctcaaggaca ccacagtcac tgcgaccaag    120
ccagtctgtg tcctcattta cacaatgaag gcgatggacc acatagtctc tgacgtccca    180
ctgcaccctg acagctgaca aatctgtttg tcctcaaaga caggtctgag agggaggaaa    240
actgatgggg atgatgagtt agagctccgg gctccctggg gctggaggct catccatcag    300
ctgccggagg tgagaggctg ccttgtccag ttttgacaat tccagctgga gggaagaaag    360
cttttgttgc ctctgagtcg ctgcctcccc ttctgatggg gtcctggctg tgaggctatc    420
aagctgcttc tgcaacttgt accttcgggc ggctaacaga ggtagctgga tctgcgggtc    480
caccaggccc tgcaactcca ttagacttg agcctgttca ctgagtggag cctgggcca    540
gccggaggga gctgctgtgc ctgggggtaa caggcccaca gcccacagt agcccagggt    600
gccagggggc tccaagaagg cctcgaagag gccctgggtcc ccaggctctg agctctgcag    660
cagcactcgg ggccgggctt tggtagctg gtacgtggct tggagagccc ttagcacctg    720
cacgacctct tggaccgggg agaagcgccg ctccagctct ggctggcgcc agtgctccaa    780
gctgcaggcg ctggggtagg gggcaaccga gatgctgggg gcaggggggc aaccaggcct    840
ggggggcagc ctctgccaga gctcttcagc cagggaaggc atcagtgggg ccaggaggcg    900
gaggccgagg tcagcgagg agaacaggac ctgagggggc cccagggggc ggggcgagtg    960
ccacagcacg ggcttcacag cctccaggta gacgtcacag aggttgtgaa gccagaagtg   1020
gtgcagggca tgagtgacga gcgagagctc tcgggtgagg aagccccgct cacactcctg   1080
ggcagccagg gcaaggcggc tcaggatcca ggcatccatc ggggaggagg gagacagctc   1140
ctcagcagac tgtggcaca atttctcccc taaagcattg aggataaagc gaagagccct   1200
cgtgccaaagc ttggcgtaag catgaacagc                                     1230

```

```

<210> 5238
<211> 2222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1985)...(1512)
<223> similar to gi603953 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5238
aatggagggc agtagaaaga ccacagctcg cctcaacctg gggtttatgg ggctcaatta    60
ttatcccccg ccagcttcca aattgttttt gtttactttt tttttgtttc attttctagt    120
tattttattt tgtttttttt tttttaaaaa tatgtttatc tttaatgac caagattctg    180
caagtcacgc tgatataccc agaattgggt ggaaatacag catctcagca gtgctactgc    240
cagcctgggg gtggggagct ggatgctggc tgaaggacct ccatggtgaa gtcgattcca    300
acctcacggg agcctcagtg ccctatctcc atggaaacca gcctggcact gggatggggc    360
cctagggagc ctgcatgaac atctctgaga ggtattttcc attaaaaaca accacagggtg    420
cccaccccc cccaagcta ctgccagct cccctctctc tctgtgttgt cggccaagat    480
aaaggaaatg ggagtgacca cttaacgaca aacaaaagca gattgtacct cctattaggg    540
aagaaaaagg aagggaagg gtagtaagg agctgcactt caagctcaga attctgccaa    600
gaccctagag cggctatggc agacagcggg gcatgactgc cagagggcag cgctacccaa    660
accctggag gtaccctttg ttactgctgg ggccctgct gctgtggggg aaagacgggt    720
cttcaaggct gcttctctgc atctagcgct gcccaatgtt tggacaaaaa ggggatggca    780

```

cctaggatgg	ctctacaact	ccatactcag	tacgaaaaga	gggctcccag	gatctcaatg	840
tggtatcagg	gatgagagtt	tgcccaaact	ccctccttcc	cacctgctg	gactgtcaga	900
gctctgggct	aggaagaact	ccagggaagg	ccaggatgag	tgggggaagg	agacaagaaa	960
atgggtctcca	atttggcatc	aaaacagagt	aagttcaaag	aaacaaaacc	ttgatttttt	1020
tatagcagggt	tctcctggcc	agctcatgac	agcagggtctc	caccactca	gggatggccc	1080
aataaaaaagt	tgggcaaagc	aagggcatgg	ctaccctcag	ggcagtgcac	ggaactcaga	1140
aaagtgagtc	tacaggatgc	aggagagAAC	agcagagccc	acagctctgc	cactctgata	1200
tgtcctccat	cagtccacag	tgccctaggc	actgacctca	tacctgcctc	aggagcagct	1260
tccttcaggc	tgagtccctg	caggggaaag	ttcccaggca	ggtgtcccag	aaggaacatg	1320
agtgttctct	gcagggccct	gcctgagctc	ttcaggggat	ggagaggagg	ccaccactc	1380
ctcatgccag	gtgcaatgct	ccccagtccc	ttttcaagag	ggggaagaag	ccagcactgt	1440
gggccccagg	tggccccatc	tcaggaatga	cagggcattc	tgacggggtg	gcacattctg	1500
aggctcttag	gccctgtgca	tctggatgaa	ggagaggacg	tcctccttgg	acagcttgct	1560
ctggctcctgg	ggcttctggg	agtcatgcac	acgaatgcca	ccccccact	cccagaagag	1620
ccggccatag	tagcaaatgt	gaaatggggc	aatggagtct	gcagggaggt	caaaagtaga	1680
gtccttggtt	ttcttggtgt	agaagaactt	cttcttgaag	cttttgctga	atcccatagt	1740
ccagggtctca	ttcactgtcc	tgacgatgta	gaggcccatg	ggtacaaagt	gccgggtcatc	1800
acgccctgtg	tagctgagct	ttgggggtgcc	actggagccc	ttgatgatct	tcatctccaa	1860
cctgacaaaa	atcttctcca	tctcttccag	tctgtacacc	tccttcaccc	tgatgggatt	1920
catgtcgggc	cgactaggct	tggaaacggc	tttcacaaat	ttctcggcaa	gctgaattct	1980
acaatccaaa	cagtctctct	gagaggcaag	ccaaggatgc	ctccaccagc	accctaccc	2040
ccagggcatt	ttcacagctc	cagtaggaga	accttctgaa	tctgcggcaa	gactgctcta	2100
agaggcagca	cccatgtccc	ccaggaagcc	cgccctgccc	ttctccaccg	acgtctttat	2160
tcctgcgctt	cgtgccaaagt	tgggcgtaat	cgtgttctac	tgtatcaatc	gcaccccccc	2220
cg						2222

<210> 5239

<211> 2842

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (2844)...(911)

<223> similar to gill63174 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5239

caagggtctt	caggtcttca	ttcttttggg	gaacgcctta	gaccatgagg	gtatgggaag	60
tctcatggca	ccaggagagc	cacctccagg	gtgaggggat	gtcagacagg	aggggctcag	120
gagggcgccc	tccaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	180
ggctgagggg	atgtcagata	cgaggggacc	aggagggcgc	cctccaggct	gaggggatgt	240
cagacaggag	gggatcagga	gggcgccttc	caggctgagg	ggatgtcaga	catgagggga	300
tcaggagggc	accctctagg	ctgaggggat	gtcagacatg	aggggatcag	gagggcaccc	360
tctaggctga	ggggatgtca	gacaggaggg	gaccaggagg	gcgccctcca	ggctgagcgg	420
agacttttac	tctgtgattg	acaacagttc	ctgggcaatc	ctagatcagt	agtcagaaaa	480
ccttaactgg	aaaagagaat	gcatggcggt	ttcattttct	tgaggaagcc	gagaaacttt	540
aattaggtga	cgggggttcc	agcacttaag	cagatggggg	gcgggtgaag	cccaggagg	600
aggagggcag	ggaggtgcac	gtcctctgtg	ccccacacac	tttcaaccac	tgcaacaaac	660
aagcacccaa	gagaggctgt	gcggcagagc	cctgcaccca	caggcctttg	acagcacagt	720

gaggggcctc	cgcacgtggc	ctcgggacgc	tcactcgacg	cacacccggt	gcatacact	780
ggcacctaaa	gacaggccgt	gcagctaaaa	ggagcacgtg	tggccaagga	gagcaatcag	840
ctgtcccgcg	tttctaaagg	cagggaccga	ggctgtggag	gggcgagcag	ggcaggccgg	900
cggaggctac	ttgagcagct	tggccacgtt	caggctgggc	accacaatgt	ccttgaagag	960
gggcacgtag	ctggggctgg	cctgtgctgg	gccctgctcc	aggggtctcca	tgatgggtctg	1020
cttcatgtca	cggctggcgt	ccccacgcac	agccagcagc	gcaccgatgt	ggtcatecct	1080
gatgtctgga	tacttgctga	ccagagtgga	gacctccagg	tagagcagag	aaggggtctgt	1140
cagcttgatc	acttcggcca	cagccacgat	gggtgtcgag	tatccgtcca	cgtcttcccc	1200
gaaaccggac	gccagcttcc	ggaacaggaa	gcgcagctgc	tctgcctccc	taaccatctt	1260
ctcggcaccc	tccttgcgct	cctccgggct	ccggaaggaa	atgcgcttct	gcataccgc	1320
ccgcaggtag	tccaccacca	cgcgcgggtg	cgctcgggcc	gtcatcctct	tcttatacgg	1380
ctttttaatt	ttggcaaaat	cgttgaaata	gtcttccacg	gtgacacaga	taatgtctac	1440
agcgtttgac	cctaatagcc	acttcttcgt	catcaattca	ttcagatgtt	gctccagggtc	1500
caggaagacc	tcttccagca	aaccgctgca	gccctccttc	gcgatggcgt	ctaaaatccc	1560
gtccatgctg	ggctggctcg	gagacacacc	ctcttccact	tcattcttta	aatactttct	1620
ttttaaaactg	actatggatt	ccttgaaggt	ctggcagttg	ttgatgatgg	cgatcatgta	1680
ctgaacgtag	cagtgagggt	gctgcccatt	cctcaggtgc	tcttctttat	acagctgcgc	1740
ttcatcttta	tatctgctta	ggaaaagaatt	catctgtgta	agacataaaa	ctagtacctt	1800
tgttttcaaa	tcttcactta	tctgagcaga	aacttgaaaga	ttctgttcaa	acatctggaa	1860
gacaatggca	gggagtgtgg	tctggtagta	cccgctcctgg	tccggtctctg	gctctgtctc	1920
tttgacccag	tctttcttgt	ctgtctccag	cgttttccgc	agccaggcga	tgatgtttga	1980
agtgagcgtg	gacatgtacg	tgtcaagcag	ctcagagacc	acgtgtggag	aaagcaatgg	2040
ctccagggtg	ccgacatcca	cttccggggc	cagctccacg	ttcctcatca	tctcagtact	2100
tgtgtagggtg	tttaagaccc	acgtcaagag	gctcacgata	tcattggctt	ccagggtcttc	2160
cgatgcgagg	tcttgcatacc	gcgtgctcag	ggcttggtgg	tacatgttca	ggagggtctt	2220
aaagatctca	tagtggggag	gaaagcactg	aaccatcagg	tttttggcga	caatgaggtc	2280
atccagggacg	tacttcctta	taatttccag	gtggcggaca	agccacatct	tgtcagactc	2340
tctggatatct	gcctgtgtgc	cctcaattct	gggtggtcaca	gtcctctcca	agatggtgaa	2400
cattttctcc	ttccaattct	tgggcctccc	aggaggaaca	aagccagttt	gctttttccg	2460
gtcaagtatg	cgctgtcaa	ttttctcttc	cctttcaatg	atcctgacaa	ctgagaccag	2520
caaggtgggg	tcacggcgga	cagtgaccag	tgacctctgc	agcaccatcc	acagctgctt	2580
agccagctca	tcagagagcc	cctgcgtgct	gccaaagtag	ccatggatga	gggtcatgtc	2640
acgcgtgttc	ccactgtcca	tgcggtactg	ctcgtacatc	agcccgtccc	gggagcattc	2700
caggttccatc	agcttccggg	gggcttgcag	gagtgccctt	tgttcaatta	ggtcctgggt	2760
ctccctcaca	atctcaggca	ctgagaagat	gttcttgagg	ttctccacgg	ctgcggcgag	2820
ctggctgtgc	tgcaccacgg	cg				2880

```
<210> 5240
<211> 1299
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (47)...(542)
<223> similar to gi4006818 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400> 5240
cccacgcgtg cgatgtttgg ttgccctcc ctgtagcctt ttcttggggg gtggggcccc 60

09460725-012100

cgcaggtgtg	attcgctcac	tgcacagcct	gggccgcctg	gagcatgcct	tctgcacaga	120
gacccggccc	tacaaccagg	gagcccggt	gacggccttt	gagctggtct	atgagcagat	180
ccccgccacc	cttatcaccg	acagcatggt	ggctgtgtcc	atggcccata	ggggcgtgtc	240
agctgtggtc	gtgggagctg	accgcgtggt	tgccaacggc	gacacagcca	acaaggtggg	300
cacctaccag	ctggccattg	tcgccaagca	ccatggcatt	cccttctacg	tggctgcccc	360
cagctcttca	tgtgacctcc	gtctggagac	cggcaaggag	atcattattg	aagagcgacc	420
gggccaggag	ctgaccgatg	ttaatggggt	ccggattgca	gcacctggga	ttggagtttg	480
gaatcctgcc	ttcgatgtca	ccccccacga	cctcatcact	ggtggcatca	tcacagaact	540
gggggtcttt	gcccctgagg	agctccggac	agccctaacc	accaccatct	cttccaggga	600
tggaacccta	gatggacccc	agatgtaacc	aactcaactc	tccctagcct	gcctctctag	660
gtttttcaat	acatttcttg	aatggctacc	caaaagctga	ccgtccagcc	cctgaccaca	720
cttggttccta	gtgcagggag	ctcagacagg	gccttccatc	tagagcccag	cacctagagc	780
caggctgccc	agattcaaat	cctgactccg	ccacttttcc	caactgtatga	tcttgggcaa	840
gtcacttcac	ctctctgtgc	cttggtttcc	tcattttataa	aatgtggata	acaggccggg	900
cgcagtggct	cgcgcctgta	atcccaagggt	gctgggacta	caggcatgag	ccactgtgcc	960
tgaccttaca	gcagtatttt	ttaaaaaatca	aaattaatgc	aaaaatccat	gatgaggcca	1020
ggcttggtgg	ctcatgcctg	taattccagc	actttgggag	gatcccttga	gccaggtgt	1080
ttgagaccag	tttggtgaac	atgggaagag	cttgtctcta	caaacaaaaa	tttaaaaaaca	1140
atgagctggg	catggaactc	acacctctag	ccccagctac	tcaggctgag	gtgggaggat	1200
ggcttgagcc	caggagtcca	aggatgcagt	gtgctttgat	tgcactactg	cgcttcaccc	1260
tgagcaacag	agtgaagacc	catctcttta	aaaaaaaaa			1299

<210> 5241
 <211> 728
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (30)...(560)
 <223> similar to gil669498 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5241						
ccgggtcgac	ccacgcgtcc	gcaaatatat	gtgaggtgtg	caacaaatgg	ggacggctgt	60
tctgctgcga	cacttgtcca	agatcctttc	atgagcactg	ccacatccca	tccgtggaag	120
ctaacaagaa	cccgtggagt	tgcactctct	gcaggataaa	gactattcag	gaaagatgcc	180
cagaaagcca	atcaggtcat	caggaatctg	aagtcctgat	gaggcagatg	ctgcctgagg	240
agcagttgaa	atgtgaattc	ctcctcttga	aggctctactg	tgattcgaaa	agctgctttt	300
tcgcctcaga	accgtattat	aacagagagg	ggtctcaggg	cccacagaag	cccatgtggt	360
taaacaaagt	caagacaagt	ttgaatgagc	agatgtacac	ccgagtagaa	gggtttgtgc	420
aggacatgcg	tctcatcttt	cataaccaca	aggaatttta	cagggaagat	aaattcacca	480
gactgggaat	tcaagtacag	gacatctttg	agaagaattt	cagaaacatt	tttgcaattc	540
aggaaacaag	caagaacatt	ataatgttta	tttagccatt	cttatctcct	cccttcagat	600
cctctggcag	ctagctacgc	aatgtgcctg	tgggtccact	aatctgtgac	tgctcctgtg	660
gaaactccac	atcacaattc	tccaaaattt	atcattgcca	ttttaaaacc	gtcttttcag	720
ctttcaat						728

<210> 5242
 <211> 1922
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1827)
 <223> similar to gi5630076 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5242
 atgggaagtg tcacagttcg gtattttctgt tatgggtgcc tttttacatc tgcgacctgg 60
 acagttttgc tttttgttta tttcaacttc agtgaagtga ctcagccact taagaatgtg 120
 cccgtcaagg ggtctggggc ccacggacca tctccaaaaa aattctatcc ccgtttcact 180
 cgaggcccaa gtcgagtgct cgagccacag ttcaaagcaa acaaaattga cgatgtgata 240
 gacagtcgtg ttgaagatcc agaagaaggc cacttgaaat tctcttctga attaggtatg 300
 atttttaatg aacgcgatca agagttgaga gacttgggct atcagaaaca tgcttttaat 360
 atgcttatca gtgaccgctt gggctaccac agagatgtgc cagacacaag gaatgcagcg 420
 tgtaaagaaa agttctaccc acctgacctg ccagctgcta gtgttggtat ctgtttctat 480
 aatgaagcgt tttctgcctt gcttcggaca gtgcacagtg tcatagaccg cacgccagca 540
 cacctgcttc atgagatcat ccttgaggat gatgatagtg actttgatga tttgaaagga 600
 gaactagatg aatatgtcca aaaatacctc cctggaaaaa ttaaagtcac aagaaatata 660
 aagcgtgagg ggttgattcg agggagaatg attggcgcgg ccacgcgcac aggagaagtc 720
 cttgtgttcc tggacagcca ctgtgaagtg aatgtgatgt ggctgcagcc cttgctggcc 780
 gccatccgtg aggaccggca caccgtgggg tgcccagtga ttgacatcat cagcgccgac 840
 acgctggcct acagctcgtc cctgtcgtc cgcggagggt tcaactgggg actgcacttc 900
 aaatgggata ttgtcccoct ttctgagcta ggacgagcgg agggagccac tgcaccaata 960
 aagtcaccaa caatggctgg aggtttgttt gccatgaaca gacagtatct ccatgaactt 1020
 ggacagtatg atagtggcat ggatatctgg ggaggagaaa atttggaaat atcatttcgg 1080
 atctggatgt gtggcggtta gctcttcac atcccttgct ctagagtagg acacattttc 1140
 cgaaaaaggc gaccatatgg atctcccgaa ggccaggaca ccatgacaca caactctttg 1200
 cggctggcac atgtctggtt ggatgaatac aaggagcagt atttttcctt aagacctgac 1260
 ctgaagacga aaagctatgg caatatcagt gagcgtgtgg aactgagaaa gaagttgggc 1320
 tgtaaatcat ttaaattgta tttggataat gtatacccag agatgcagat atctgggtcc 1380
 cagccaaaac cccaacaacc cattttttgtc aatagagggc caaaacgacc caaagtcctt 1440
 caacgtggaa ggctctatca cctccagacc aacaaatgcc tgggtggcca gggccgcca 1500
 agtcagaagg gaggtctcgt ggtgcttaag gcctgtgact acagtgacct aaatcagatc 1560
 tggatctata atgaagagca tgaattggtt ttaaatagtc tcctttgtct agatatgtca 1620
 gagactcgct catcagacct gccacggctc atgaaatgcc acgggtcagg aggatcccag 1680
 cagtggacct ttgggaaaaa caatcggcta taccaggtgt cggttggaca gtgcctgaga 1740
 gcagtggatc ccctgggtca gaagggctct gtcgccatgg cgatctgcga tggctcctct 1800
 tcacagcagt ggcatttgga aggttaaggt ggatgctgtg gcgggaacgt tgcttcatca 1860
 ggcgttgccct ccggtgtgga gtttggggct ttaggaaagc ctgggttggg tggagcagaa 1920
 cc 1922

<210> 5243
 <211> 2234

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (3)...(398)
 <223> similar to gi2352427 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5243

gctatgttcc	caatattatta	ggtatcatatc	cttatgcagg	catagatctt	gctgtgtatg	60
agctcttgaa	gtcctattgg	ctggataatt	ttgcaaaaga	ttctgtaaac	cctggagtca	120
tggtgttgct	gggatgcggt	gccttatcca	gcacctgtgg	tcagctggcc	agctacccat	180
tggttttgg	gagaactcgc	atgcaggctc	aagccatgtt	agaaggttcc	ccacagctga	240
atatggttgg	cctctttcga	cgaattat	ccaaagaagg	aataccagga	ctttacagag	300
gcatcacccc	aaacttcatg	aaggtgctcc	ctgctgtagg	catcagttat	gtgggtttatg	360
aaaatatgaa	gcaaacttta	ggagtaaccc	agaaatgatg	ttgcattttt	tgcttttagcc	420
tgataattga	aactttcaac	aatctctgga	gtgacttttt	ctcctcgaat	tgaaacaagt	480
ctatggcaaa	agaagctgca	tttttttcac	aaaagggaag	atggtaacaa	tggtcacttc	540
aaacttttgg	gctaaattat	atgtacacag	aaatgttcaa	aatcatagtt	ttaatgtgtt	600
ttgaaaaggc	cacacaatta	tacttttatct	tttcttaata	atcctgcaaa	tctctgccct	660
gaatccgaaa	tctgaaaatg	tactggcttg	aacaaaat	gttttgtgtg	ttagagttat	720
aaatcattaa	tctttatttc	gggtgggtta	cgtttatgcc	agttccttta	tatttaaatt	780
tcttgtttta	tatatattga	atgtctttat	agatttcttt	aaatttcctt	atagaaccat	840
taatagaaaa	tattacatt	taaaatatac	cttacagcaa	aagcatccaa	ataagtatag	900
ggtttatgtc	cttatttttc	tttcagctga	atacgaatga	acacagtggt	ggaatttctg	960
aagggaagtg	atgaaattat	atttatttca	gtgggcactt	ttccatttta	ccactgtacc	1020
attatttggg	tcctggagtt	atacactaat	tttcagtata	ttactgttaa	attaccaaca	1080
caaggcaatt	tatttgaaag	attccgttta	tcctgccatt	gctttgaaaa	gcagcaggaa	1140
acgaaatcct	ttgacttgta	tcagcttctg	cagagcatct	ttgttttcct	ttgtcctttg	1200
tttcctacct	tttgaatcag	attccgtttt	agtcagggaag	acttcttggg	accattctta	1260
gtaacctgaa	atttcttttt	taattgcatg	aagtggattg	atcatgagca	aatgatgtgc	1320
ttatttctcc	ctcactgttg	aatatctttg	aacttgctgt	tttcaatatg	ggcagcacia	1380
aggtgagaga	tacatattaa	tagtagtatg	tattactctt	atacattaga	tacctatatt	1440
taaatgaaag	gcccaatttg	taaacatata	cattcatatt	ctctcttgcc	ccaagtttta	1500
ggaacatgtt	aggatatagg	agacttaatt	tataataatg	agagcatttt	tttattttac	1560
taaagccatt	tttatagtc	actatctttt	cttatttgtg	tgattagaac	ttagaaaaat	1620
atttactagt	tgaagttatt	atcagttttt	aatttagttc	ttaaactcat	ttcacttcta	1680
ataatttctg	ttataaattt	ccagcatttt	aatgaaaatc	taatgatgta	ataggcattt	1740
tctttatttg	aacctacctc	ttttattttc	tgaaccaaag	agaaagatgg	actgggtgtt	1800
gtgaaacatt	tttaaaaatg	tagtttcatt	tatatagttt	atgtttgata	aatgtctcag	1860
tattttttata	atatgataag	cctgggattc	tacttttagg	gttatttgta	cttttgagta	1920
atatataaag	tgacaatatt	aaggtacatg	atcagctctt	tctattttta	ctcgtaaaaa	1980
ttatggaaat	gaataatttt	gctaacaact	ttgaaatttc	aaacttctgg	aaaatatgaa	2040
aatatttcatt	gttcattatg	aatttaaatt	gtaagggtatg	aatgtgattt	gtctgtacat	2100
cttgatatctt	ttccaaaaaa	tgattctgta	tcttttgga	aaaagccgag	agttgaagat	2160
agtatatttc	tggtagtact	gaatattttac	ttacagtttc	tatcaaaaat	atatatttgt	2220
ttctaaaaaa	aaaa					2234

<210> 5244

<211> 1011
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1012)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (4)...(526)
<223> similar to gil550785 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5244

cccggggtcga	cccacgcgtc	cgaccagcag	gcggagaggc	aggtgagggg	catgttccgg	60
gaggacgtcc	taaaatggat	ggatcatcgtc	ttcaccagga	aggaggacct	ggccgggggc	120
tccctgcacg	attacgtgag	caacacagag	aaccgggcct	tgcgcgagct	ggtggccgag	180
tgcggggggcc	gggtctgtgc	ctttgataac	cgggccaccg	gccgagagca	ggaagcccag	240
gtggagcagc	tgctggggat	ggtcgagggc	ttggtgctgg	agcacaaggg	cgcccattac	300
tccaacgagg	tgtatgagct	ggcgcaggtg	ctgcgctggg	caggccctga	ggagcggctc	360
cggcgggtgg	cggagcgcgt	ggcagccagg	gtgcagagga	ggccatgggg	cgcctggctg	420
tcggcccggc	tgtggaagtg	gctgaagtcc	cccaggagct	ggaggctggg	cctggccctg	480
ctgctggggg	gcgcgctcct	gttctgggtg	ctgctccaca	ggcggtggtc	ggaggccggt	540
gcggaggtcg	ggcctgactg	acagcgcagg	tcctaaaact	gaaggcaact	tggttaaggg	600
aggctgaatt	cttgagctg	aagggaatac	ttcattccaa	cggaaggaat	cctgtagttt	660
caggcatagt	tttaagtaca	cagaaaactt	tgctgcatca	cctttgcaac	tttgccaaag	720
ctcagagttc	actttttaag	tttttaactc	attttaaatg	atgtgtatgc	agagttttaa	780
aataaattcg	tctaacaata	acttcctttg	gtagttttgg	tagtctaata	tcaagtagct	840
tgtagtgggg	acaaacgcat	ggcacaggga	aaacaagtgc	cattattttc	gagcttttta	900
aaaaatttag	actgcccctc	cttgataatt	ttctagttct	tatacatggg	tagatagggt	960
cctttgtgat	ccttgtagac	tttttagcatc	aataaaaagaa	atgtgngngt	a	1011

<210> 5245
<211> 1201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1135)...(519)
<223> similar to gi3327094 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5245

tttttttttt	ttcattctaa	gagcagtttt	tatttagaaa	tgtgcttcca	caacttggtg	60
------------	------------	------------	------------	------------	------------	----

```

gccacctggg ggcaggtagc cccggcttgc ttgttctctc tttcctagcc caggaatcgg 120
gtccttgggt ctaaagcaca gggccaagtt ctcaaggatc aacatcccag acagctccca 180
tggctctggg cttggagctg gtatgaaggg tgaaccaggt tccatcctgg actgtttatg 240
gttgaggagg ctggggccct ggcaccagga cctcagctcc ctctcctagt aagagctggg 300
atcacccaca ggccagctgt ggccaggtcc tggtgatata gacattggga agaacaaggg 360
gctaagagag gctaattttc tggtgctgga tccagtttat cttcctgagg ggtggaagcc 420
ggggcaggag cctcatcccc accattgagg gacttctgct gctcattgct gttgggcgag 480
ggggtcctgt tgccctggga tccccagcgg gtcaggcgct ttagggagga gtcacggtgg 540
gcaagcagag ggggctggaa gcctgagaag gagctgctgg tgaccggacg cttatctcca 600
ggctcaattg gatgcatcag ccggttcac tggacattcc agtggtttcac gttggtgctg 660
gcctggcgca gttttctctg ggcagcctcc acatcctcgt cagccctctg ccggttctgc 720
cgcacctcct ccagctgctg ctgggcctgc tgcaggagc ggctctgctg tgccatctcc 780
tgctgcagct cttccttctc ctgctgcgcc cgttcgatgt agcgtcctg ctctccttc 840
agctgcatca actgcttcag cttctcttcc tctcttcca gcagtctggt ctgagcgatt 900
cgcacagatt cttcatctcg ccgagctttc acctctagtt gcagggcctc ctgcaaccgc 960
tgctgcatct cctccagctc cttgatgcgc tgccgctgcc gggcagcctc ctctccttc 1020
agctccatct cagcctgcat ggaggcccg gcctgctccg cctcgcgag ttggccctcg 1080
agcgctgct gcagctcgcg gtgctggctg cggcgccgtt cctcctctc ctgcagcagc 1140
cgctcggcct gccgatgcgc ctctcggac gcgtggcgcg acgctggggc ggacgctgg 1200
g 1201

```

```

<210> 5246
<211> 1605
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1606)
<223> similar to gi6002605 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5246
atgggcatcg tggagccggg ttgcggagac atgctgacgg gcaccgagcc gatgccgggg 60
agcgacgagg gccggggcgcc tggcgccgac ccgcagcacc gctacttcta cccggagccg 120
ggcgcgcagg acgcggacga gcgtcgcggg ggcggcagcc tggggtctcc ctaccggggg 180
ggcgcttggt tgcccgcccc gccgagccgc ttccttgagg cctacgccta cccgcccgga 240
ccccaggcgg ccggttccc cggcgcgggc gagtccctcc cgccgcccgc ggacgccgag 300
ggctaccagc cgggcgaggg ctacgccgcc ccggaccgc gcgccgggct ctaccggggg 360
ccgctgagg actacgcgct acccgcgga ctggaggtgt cggggaaact gagggctcgcg 420
ctcaacaacc acctgttgt gtccaagttt aatcagcacc agacagagat gatcatcacc 480
aagcagggac ggcggatgtt ccattcctg tcatttactg tggccgggct ggagcccacc 540
agccactaca ggatgtttgt ggacgtggtc ttggtggacc agcaccactg gcggtaccag 600
agcggaagt ggggtgcagt tggaaaggcc gagggcagca tgccaggaaa ccgctgtac 660
gtccacccgg actcccccaa cacaggagcg cactggatgc gccaggaaat ttcatttggg 720
aaactaaagc tcacaaacaa caaggggcg tccaacaatg tgaccagat gattgtgctc 780
cagtcctcc ataagtaaca gccccgctg catatcggtt aggtgaacga cggagagcca 840
gaggcagcct gcaacgcttc caacacgcat atctttactt tccaagaaac ccagttcatt 900
gccgtgactg cctaccagaa tgccgagatt actcagctga aaattgataa taaccctttt 960
gccaaaggat tccgggagaa ctttgagtcc atgtacacat ctgttgacac cagcatcccc 1020

```


<400> 5248

caacttcaga	ttaccagaat	gacaaggact	agaattggat	atttcaggcc	actgctctca	60
gccagacccc	acccaggccc	agcctcacc	tgcagggtct	agagggcact	ctgatgggtc	120
taaaacatcc	ctaccacaaga	aaagtggaag	aaccctccat	ttatgaatct	gtccgggttc	180
acacagcaat	gcagacagga	agaacagaag	atgaccttgt	gcccacagca	ccttctctgg	240
gcaccaaaga	aggttacctc	accaaacagg	gaggcctggt	caagacctgg	aaaacaagat	300
ggtttactct	gcacaggaat	gaactgaaat	acttcaaaga	ccagatgtca	ccagaaccaa	360
ttcggatcct	agacctaaaca	gaatgttcag	ctgtacaatt	cgattattca	caagaaaggg	420
taaactgttt	ttgtttggta	tttcattca	ggacatttta	tctctgtgca	aagaccggag	480
tagaagctga	tgagtggatc	aagatattac	gctggaaatt	gtcacaata	agaaaacagc	540
tcaaccaagg	ggaaggcacg	atccgatctc	ggtcgttcat	ctttaaatag	atctttcttg	600
ccaaggaatg	ctctggccca	ggagcaagg	ggaatgtttc	cctgacgctg	tgatctgcag	660
caggcttcaa	atgaaaaccg	actaaggatt	ttctttcaaa	aacaaatcag	aagcagatgc	720
tgattgggac	ccatatacca	cgttgctgac	tcacgttgct	gcccttccat	gatgttgcca	780
tctccttgag	aacactgaag	caatcaccat	tctgatagaa	agtgtttaa	ccaccactct	840
taggtctgct	cactcttaga	acacacaatg	gaagaggaag	ggtttttgtt	ttcactcatt	900
gtgggtccca	agcctattga	cactagtgtc	ctagagtccc	actgtgagtc	atgggtcagcc	960
tgtctgacat	ccaggtttgtg	ctattaacca	agaaggaaac	agatacttgg	aggcttagat	1020
gacttctgca	ggatttatat	tcagatagaa	aacatcaa	attttcaggg	gagagggttt	1080
ttttttta	ttttccccct	ttatacaaaa	aaaaaa			1116

<210> 5249

<211> 1189

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1190)...(967)

<223> similar to gi3002527 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5249

aggaggaag	agagagagag	gagtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	gtgtgtgtgt	60
gtgtcagggt	tgggaccaga	gcaggaacac	acgcaagaag	ggactgagaa	ttgtatcaac	120
agcgcaaaag	aagtcaaagg	aattacttac	gcataaaatg	aggactgttc	ctcagagatg	180
agtcagtcct	gagaagccaa	ccaagccggg	tactctgagt	ctggatccga	ccttgctaga	240
aatacggctc	gaggcagcag	aggttctatg	agagtccaca	gaaggtcagc	acaggctaag	300
gtaaaagcag	ggcaatagg	ttcttgtgtt	ctattggcga	aagtagaata	gaatagaaca	360
gaaaaactga	gtgggcaaaa	tgagaattgg	caaaaaggta	tcattaggct	catacctacc	420
acaactctac	agccctacca	cttaccagaa	tggatagatt	cctagtcgtg	taaccataaa	480
aacagcactg	aagatcacaa	aaagggtgtc	acagagccgc	tgatacttgg	cataattggc	540
cagtttggtc	gcctggagaa	aggaagaaag	aattgagctg	gggagaaagt	cattcctctc	600
ataggaagaa	aagaagagaa	gaagaagatg	gagaaagaga	gattgggttt	ttacctccag	660
caagaagtct	gagacatcat	gtagacacat	gatcagagtt	cccactcgaa	tcatattgtt	720
gatgtaggag	aaggagataa	gccaatggt	gaccaagtga	tgacacaaaca	tgatcaggaa	780

<210> 5251
 <211> 2996
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2555)...(2220)
 <223> similar to gi3880026 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5251

tttttttttt	ttttattttt	tatttggtttt	attttaaattt	tacagaaaacc	tgatcagagt	60
taagtatgta	attataagtc	cagtaacaat	ttctacaaaa	atgcacatac	aatgccagaa	120
ctccttaaaa	gcaactaata	tcatatttgt	gtttttgcata	aaacatgcat	taatattgtt	180
gccaaaatca	gtctctacaa	gaagagacag	tccaatacag	tcaataagaa	aactagttgt	240
gaacaacagg	taaaaaaaga	ggtttccagt	taatgtgaaa	gaagggaatag	tacctttcat	300
aaaacaagcc	cttcagcgct	gagttaactg	atcgg tacta	ttgtgctgca	cgtaatgtaa	360
cacatcacct	ccaagacttg	gtcctgattg	gtcataggaa	gtaagggact	ttctggtagt	420
tacatcagat	atttgagaag	attaaaaagt	ttccggacat	gatgggtatac	taatagtgca	480
accttgcaaa	aagggttcga	aacattgtca	gacttggaag	agttccccag	cttgataaac	540
aacctcaaa	acaccccgag	cctttgaacg	gagccctctg	cacaaggcca	gctcagggct	600
caccagcatg	tcctgtggcc	acaagacctt	ccagctccac	ataccaccct	tcgtgaggat	660
ctgcaattag	gagcctgagt	gccgaagaac	atggttggtg	catttctttg	aggctttgac	720
tttttataag	gcctagttca	tctcatccag	ggattgggca	ctcgaatgaa	tacacagatg	780
ctggacacat	aaggagtatt	aatatacatg	gtggccccac	agcctgaaat	gctttttatta	840
acatacatca	aggtgtgtct	ccgactgtca	ggaaagacct	tggtcctcca	gaggcagaga	900
gaagctgagg	gttctctatg	tatcacaaag	catttcctac	atagactgag	gggtgttaaa	960
gagatctcat	atcaactgaa	aggacttccc	ctcaaatgtg	gggctctgta	caaccttcca	1020
tgaggatctt	caaaaaaaag	atctcatagt	cgttagggaa	gtggcgggtg	acattaacat	1080
tatatacaca	aaactcatca	ttcgtgcagc	ctcgggcctt	gtttgtaatc	tcttccacag	1140
tctgtctctt	ccaaaacagg	gctccctgcc	ctgcttattt	caagtaagct	aagtcaggat	1200
ctgttttctt	tagcagattc	aagggggaaa	aataataatt	tattgggggt	ctaataacat	1260
tttcataaca	gaatatcaaa	ataggtccat	ttttgatata	tgcttatgaa	tatccctgat	1320
aatatcaaga	aatccagagg	acttcgtaaa	ccaccaagat	ttcacagggg	tgagacccgg	1380
tctgttttct	aggcagcaga	gaaggggacta	gtatacgggc	aaatgttctc	caggaagccc	1440
tgtgagcact	acagtactga	aattctaatt	ctagtgccaa	tagaatcatg	aacgaaaatt	1500
tcacttgaac	tgtattagta	aaattcataa	caaaggcttg	cttcctcaac	cctgtcatct	1560
gttaatctct	ccgcctgtga	cagacatcca	gaccagaaaa	ccatcagtc	tggtactct	1620
ggaggttggg	cctagagaaa	acaagcccca	agatcctttc	taagctatga	ccaaacctca	1680
gaaaacaggg	acgtgaaaga	aggagcagac	caggcttgag	gaagctttga	cccaaggcac	1740
cacgatcata	ggggcgaggg	gacctgtaga	ggttttaggt	gacgggaaga	gagccttccg	1800
tgatgcctgc	ggaggagggt	ctggaaggca	acagctctgt	ggcaaaaac	acacatctgg	1860
gagtgaataa	acagatcatt	aaacaagacc	ccaatttgct	ttctcaaaac	aaaatcaaac	1920
ttaaaaacta	tgcaataaac	cctgggtgca	ctggagtagg	agtacactgg	agaagtctgt	1980
ggaatgagct	gcatcagctg	agtcacagag	gacgctggct	gtgaagttag	catccacacg	2040
gtggctactg	cagctaaaga	gaatgaaggg	agcgcgaggc	ctctccaaac	agaggaggac	2100
ggaaaggggg	ccaaatgtga	accacacctc	ttttattcca	agaatgggaa	gcgcattttc	2160
attggcttga	atgagaaagc	ttcatactcc	actctagctg	cagtaatact	gcatcccatc	2220
cactcttctt	ctcttttttg	actgaaactc	ttcaaagaac	tgctgaatgt	cctctctctt	2280
aacaaccgtg	ccttcatcag	caaatctctt	gagatagtct	ttaagttcag	tcttcaaatc	2340
attgtattca	caaatgagtt	ccacttgctg	gactctattc	atgctgctaa	gggtatccat	2400

taggggatcg	ctcctgtcag	tggcctgggc	aatcttcctt	ttgttttcat	aagccagaac	2460
tgtgtcgtat	tcattctgtca	ggaataagac	atctagatct	ccatacattt	tcatacagtc	2520
ttggcaggta	cacaacttgc	tacgccagtt	cagggggccaa	taggtggcag	tgtctttctt	2580
tataagctgc	ttagctttta	gctcctgaag	tttgcagcca	gattttgatt	ctgcgttgag	2640
gctttcattc	ttaaactactg	tctggagatc	agattcagaa	ctagagccgg	cacatgggtc	2700
actgtttctg	tctactttta	cctcccggac	atcatccttt	ccctgttctg	gaacatcctc	2760
tttgagggtg	ctatcttgat	gctctccatt	ttcagggttg	ataacttcct	gatcacctat	2820
tccatcaatg	ttccgcacca	atccatcatc	ctcagtggtg	attttgggta	ctgccaattg	2880
tgcagcataa	gcccacaaaa	aagaacaacg	tttcatgcag	gcctggcata	ccatctcctg	2940
aaaatcccca	ctctcagggg	gaatacgaaa	tcgtcgaccc	ggaaattccg	gagcag	2996

<210> 5252
 <211> 1286
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (472)...(1050)
 <223> similar to gi4981020 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5252						
cccgccagag	cgccttcccc	ctcctccctg	tgctgtctgc	accgaggaga	gcggcctgcc	60
gggtgagtag	gtccggggcc	tctgggccc	cgggggcccc	tctcctgcag	gctcgaggtg	120
ggcggggaga	aaggggacgg	gcgcggaccc	gggtcccaag	gccaggcctc	ccttgtagt	180
agactatgca	aagaaaaagt	gggccaccat	atctggaaac	tacagtctat	gctttgaagc	240
gcaaaaggga	ataaacattt	aaagactccc	ccggggacct	ggaggatgga	cttttccatg	300
gtggccggag	cagcagctta	caatgaaaaa	tcagagactg	gtgctcttgg	agaaaactat	360
agttggcaaa	ttcccattaa	ccacaatgac	ttcaaaattt	taaaaataa	tgagcgtcag	420
ctgtgtgaag	tcctccagaa	taagtttggc	tgtatctcta	ccctgggtctc	tccagttcag	480
gaaggcaaca	gcaaattctt	gcaagtgttc	agaaaaatgc	tgactcctag	gatagagtta	540
tcagtctgga	aagatgacct	caccacacat	gctgttgatg	ctgtggtgaa	tgcagccaat	600
gaagatcttc	tgcatggggg	aggcctggcc	ctggccctgg	taaaagctgg	tggatttgaa	660
atccaagaag	agagcaaaaa	gtttgttgcc	agatatggta	aagtgtcagc	tggtagagata	720
gctgtcacgg	gagcagggag	gcttccctgc	aaacagatca	tccatgctgt	tgggcctcgg	780
tggatggaat	gggataaaaa	gggatgtact	ggaaagctgc	agagggccat	tgttaagtatt	840
ctgaattatg	tcattctataa	aaatactcac	attaagacag	tagcaattcc	agccttgagc	900
tctgggattt	ttcagttccc	tctgaatttg	tgtacaaaga	ctattgtaga	gactatccgg	960
gtcagtttgc	aagggaagcc	aatgatgagt	aatttgaaag	aaattcacct	ggtgagcaat	1020
gaggacccta	ctgttgctgc	ctttaaagct	gcttcagaat	tcattcctagg	gaagagttag	1080
ctgggacaag	aaaccacccc	ttctttcaat	gcaatggtcg	tgaacaacct	gacctccag	1140
attgtccagg	gccacattga	atggcagacg	gtaagtcttt	gtttctattc	tcttgactcg	1200
gcacagggtg	tccctgaaaa	ttaaataatt	tttgagtgtg	cacttgagcc	caggtgttca	1260
agaccagcct	gaggaacata	gcaaga				1286

<210> 5253
 <211> 1380
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(925)
 <223> similar to gi307487 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5253
 atggggctcca ggctgctctg ttgggtgctg ctttgtctcc tgggagcagg cccagtaaag 60
 gctggagtca cacaaactcc aaagcacctg atcacagcaa ctggacagca agtgacgctg 120
 agatgctccc ctaggctctg agacctctct gtgtcctggg accaacagag cctggaccag 180
 ggctccagt tcctcattca gtattataat ggagaagaga gagcaaaagg aaacattctt 240
 gaacgattct ccgcacaaca gttccctgac ttgcaactct aactaaacct gagctctctg 300
 gagctggggg actcagcttt gtatttctgt gccagcagcg tcaaagtagg caccggggag 360
 ctgttttttg gagaaggctc taggctgacc gtactggagg acctgaaaaa cgtgttccca 420
 cccgaggctg ctgtgtttga gccatcagaa gcagagatct cccacacca aaaggccaca 480
 ctggtatgcc tggccacagc cttctacccc gaccacgtgg agctgagctg gtgggtgaat 540
 gggaaggagg tgcacagtgg ggtcagcaca gaccgcagc ccctcaagga gcagcccgcc 600
 ctcaatgact ccagatactg cctgagcagc cgctgaggg tctcgccac cttctggcag 660
 aacccccgca accacttccg ctgtcaagtc cagttctacg ggctctcgga gaatgacgag 720
 tggaccagc atagggccaa acctgtcacc cagatcgta gcgccaggc ctggggtaga 780
 gcagactgtg gcttcacctc cgagtcttac cagcaagggg tctgtctgc caccatcctc 840
 tatgagatct tgctagggaa ggccacctg tatgccgtgc tggtcagtgc cctcgtgctg 900
 atggccatgg tcaagagaaa ggattccaga ggctagctcc aaaacatcc caggtcattc 960
 ttcactctca cccaggattc tctgtacct aatacttctc tcttttttct gttccctga 1020
 tcaactctgt tctcatctcc tacttacatg aatacttctc tcttttttct gttccctga 1080
 agattgagct cccaaccccc aagtacgaaa taggctaaac caataaaaaa ttgtgtgttg 1140
 ggctggttg catttcagga gtgtctgtgg agttctgtc atcaactgacc tatcttctga 1200
 tttagggaaa gcagcattcc cttggacatc tgaagtgaac gccctctttc tctccacca 1260
 atgctgcttt ctctgttca tctgatgga agtcctcaa caccatttcc ataccaggc 1320
 attctgggtc cccactggag ggtagtctg aagggcaatg gctgggcttt ggaaaaccag 1380

<210> 5254
 <211> 829
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (427)...(306)
 <223> similar to gi3550833 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 5254
tcggaattcc cgtgtcgacg atttcgtata cagcctcctg agtagctggg attacaggct    60
ccaaccacca tgcccggcta atttttgtat ttttagtaga gacaggggtt caccatgttg    120
gccaggctgg tctcgaactc ctgacctcgt gatccgcctg cctcggcctc ccaaagtgtc    180
gagattacag gcgtgagcca ttgtgcccag cccaacctct attttttttg tggtttcaac    240
tttattcact gcggagctga acttaggacc attatcagaa caggatctca attcttttct    300
tactgaacca tccttgcgat gtactcgtcg aggtaacagc tattgaattt gaccaagttc    360
accagcacca gaaggaattc cgaggacaag ccaacatcca tccactgcag gacaaagtca    420
gctgggggag aagcggcggc agtttgcgag gacgccgaat ctacatctcc cactcacctc    480
cccctcccgc cgcaggacag tgtgtccaaa cccgtcactg ccagaaacct catcatcagt    540
ccccggcgag caacagacag accacgcact gggcccgaag aggtcaggg gagcccaggg    600
caggccggct acgcacggac actaggatct accgcccctg gggctgcaca gaggggtctgt    660
gccgaggcgg cagcagaagt gtgtatgccg tacactcagg gcccaacctg aggtcgggag    720
acgccgacat caccagactc ctgggcgttc cccaccccca gcagagaacg gctcggagga    780
gacgtgtgca cacttggtcg ccggccacgt cacctcagac aggaaaacct    829

```

```

<210> 5255
<211> 3271
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (717)...(1897)
<223> similar to gi4322670 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5255
ctcagaccgt gcagaatgtt acattgtcgc tcaactctgcc catcacgtgc cacatttgc    60
tggggaaggt acgtcagcct gtcatatgca tcaacaacca tgtattttgt tcgatttgta    120
ttgatttggt gttgaagaat aatagccagt gtccagcttg cagagtcccc atcactcctg    180
aaaatccttg caaagaaatt ataggaggaa caagtgaag tgaacctatg ctaagccata    240
cggtcaggaa gcatcttcgg aaaactagac ttgaattact acacaaagaa tatgaggacg    300
aaatagattg tttacagaaa gaagtagaag agcttaagag taaaaatctc agcttggagt    360
cacagatcaa aactattctg gatcctttta ccttggtgca gggcaaccaa aatgaagaca    420
aacatctagt cacagataat ccaagtaaaa ttaaccaga aactgtagca gagtggaga    480
aaaaactcag aacagctaata gaaatctatg aaaaagtga agatgatgtg gataagctaa    540
aggaggcaaa taaaaaattg aaattggaaa atggtggtct ggtgagggag aatttacgac    600
tgaaggctga agttgataac agatcacctc aaaagtttgg aaggtttgca gttgctgctc    660
ttcagtccaa agtagaacag tatgagcgtg aaaccaatcg cctcaagaaa gccctggaac    720
gaagtataaa gtatatagag gaactagaat ctcaagttgc acagctaaaa aattcaagt    780
aagagaaaga agctatgaat tccatttgcc agacagcact ttctgcagat ggcaaaggga    840
gcaaaggcag tgaggaggat gtggtgtcaa agaataagg cgatagtgcc agaaagcagc    900
ctggctcatc cacctccagt tcttctcacc tagcgaagcc ttccagcagc agactgtgtg    960
acaccagttc tgcaaggcag gaaagtacca gcaaagcaga ccttaactgt tctaagaaca   1020
aagacctata tcaagaacag gtagaagtaa tgttagatgt gacagataca agtatggata   1080
cttatttgga aagagaatgg ggaataaac caagtgactg tgtaccctac aaagatgaag   1140
aactttatga tcttcagct ccttgtactc ctttgtccct tagttgcctt cagctcagta   1200
ctccagaaaa tagagagagc tctgtggtcc aagcaggagg ttccaaaaag cactcaaacc   1260
atctcagaaa attggtgttt gatgattttt gtgattcttc aaatgtttct aataaagatt   1320

```

```

cttcagaaga tgatataagt agaagtgaaa atgaaaagaa atcagaatgt ttttcttccc 1380
caaagacagg attttgggac tgttggtcca caagctatgc ccaaaactta gattttgaaa 1440
gttcagaggg gaacacgata gcaaattctg ttggagaaat atcttcaaaa ttgagtgaga 1500
aatcaggcctt atgtttatcc aaaagggttg attctattcg ctcttttgaa atgaaccgga 1560
caagaacatc cagtgaagca tcgatggatg ctgcttacct tgacaaaatc tctgagttgg 1620
attcaatgat gtcagagtca gacaacagca agagcccttg taataacggt ttttaagtcac 1680
tggatttgga tgggttatca aagtcacctc aaggcagtgga atttcttgag gaacctgata 1740
agttggaaga aaaaactgag ctaaaccttt ccaaagggtc tctaactaat gatcagttag 1800
aaaatggaag tgaatggaaa ccacttctt tttttctcct ctctccatct gaccaagaaa 1860
tgaatgaaga tttttcactc cattccagtt cttgtccagt aactaatgaa atcaaacccc 1920
caagctgctt gtttcagaca gagttttccc agggcatttt gttaagcagt tcacatcgac 1980
tatttgaaga tcaaagattt gggtcacctt tgtttaagat gtcctcagag atgcacagtc 2040
ttcataacca ccttcagctc ccttggtcta ctccctttgt gcctgaaaag aggaataaaa 2100
atgtgaatca atcaacaaaa aaaaaaatcc agagcagcct ttccagtgcc agcccatcaa 2160
aagcaactaa aagttgattc attagaaagg tgtcatttgt gggtttgtcc tgagagaaat 2220
agaaaagttg ttaaagttac cttttttcct cataaaagtt ctatacaaat tgggaattgat 2280
aatcttttagt caagtatcaa gtcaggatgg tggattaacc ctgtaccag aatacttatt 2340
gttcattttg aaaaagacttt gttcttttca tttttatttg ggagtctttg tgaccagaga 2400
agttagggag gaggttattt ttgtgttttg ggggttggtg gttggttggt tttgtttttg 2460
gttttgtttt tttactgaat ttgatatgta tctcggttg atatacattg tttttttaaa 2520
aaatgttatt taactgttag atacagtggc ctggtgataa gcctcacttg tcttcagAAC 2580
ttgggatttc ttaaataaaa ctttttaggtg ttgtctatac actgctcaat aagacacttg 2640
agtttaagct tttcccaggg tgggaaatta ttttacctgt ccctttttat ttatgttttag 2700
tgatggccta gtttttctgc agggccatga tggagaaata gcaactctagc cttagtccaa 2760
tattgattta ctttcttttt ttaggtttta tgtatatgtt tgcatttttt agcattgtgt 2820
tttgtccagt tttgtgaaaa tgttctgcta gtatgaaaga aaacattttc tatatgaaga 2880
catttgtttt atgttaggta gcttacattt tctcctctgc gtgtgtgtgt atgtgtgtaa 2940
aatcagaaat ttagcatact atggaaagaa ggcatggagc acttgggttt agaggaacct 3000
aaaacatcat agcttcattg ttccagatgt aacagggttg aaagagctca tcgccaagtt 3060
cttgatccac ttgcattcca ggggagtttt cttttgagta gtatgtttct tgtttgcatg 3120
ttcctgttct ttgtggaac tatgcatggt agcatttttg cttgctgtgt tttccatact 3180
taagaaaaag aggtttcagt tggctgatag aatatctttt atgtaggaca aaacttttct 3240
ggtcgacgcg gccgcggctc acgcggccgc g 3271

```

```

<210> 5256
<211> 8519
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (8)...(3853)
<223> similar to gi3763972 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5256
tttcgtagac gagaggaaag taaaccgcat tcagcaagta accaccaatg gggagatcta 60
catcatcgct ggtgccccca ctgactgtga ctgcaaaatt gatccaaact gtgactgttt 120
ttcaggtgat ggtggctatg ccaaagatgc aaagatgaaa gcccttctc ccttagcagt 180
gtcgcctgat ggaacctct atgtggcaga cctcggaat gttcgaattc gtaccatcag 240

```

caggaaccaa	gcccacctga	atgacatgaa	cattttatgag	attgcttcac	ccgctgatca	300
ggaactgtac	cagttcactg	taaatggaac	ccacctacac	accctgaact	tgataacaag	360
ggactatggt	tataacttca	cctacaattc	tgaagggtgac	ttgggcgcgga	ttaccagcag	420
caatggcaat	tcagtgcaca	ttcgccgtga	tgcaggcgga	atgccgctat	ggcttgtggt	480
gcctggcgga	caagtatact	ggctgactat	aagcagcaat	ggagtcctga	aaagagtgtc	540
agcccaaggc	tataatctgg	ccttaatgac	ctatccagga	aacacagggc	ttctggctac	600
caaaagtaac	gaaaatggat	ggacaaccgt	ttatgagtat	gaccccgagg	gacacctgac	660
caatgcaacg	tttcccactg	gagagggtcag	cagcttccac	agtgcacctg	agaagctgac	720
aaaagtggag	ctagatactt	ccaaccgtga	aaatgtcctc	atgtcaacca	acttgacggc	780
aactagtacc	atatataattt	taaaacaaga	aaatactcaa	agtacctatc	gggtgaatcc	840
agatggttcc	ctgcggtgtca	cttttgccag	cgggatggag	atcggcctca	gctcagagcc	900
ccacatcctg	gcaggggcag	tcaaccctac	cctgggcaaa	tgcaacatct	cattgcccgg	960
agagcacaat	gcaaacctca	tcgagtggcg	gcagaggaag	gagcaaaaaca	aaggcaatgt	1020
ttcggtctttt	gaaaggaggc	tgaggggcca	caacagaaac	ctactctcca	tagattttga	1080
tcatataacc	cgcacaggaa	agatctatga	tgaccatcga	aaattcaccc	ttcgaattct	1140
ttatgaccag	actgggcgac	ccattctgtg	gtctcctgta	agcagatata	atgaagtga	1200
catcacatat	tcaccttcgg	gattggtgac	gtttattcaa	agaggaacgt	ggaatgaaaa	1260
aatggaatat	gaccagagt	ggaaaattat	ttcaagaact	tgggctgatg	ggaaaatttg	1320
gagctatacc	tacttagaaa	aatctgtgat	gcttctccta	cacagccagc	ggcgttacat	1380
ctttgagtat	gaccaaccag	attgtctgct	ctcagtcacc	atgcctagca	tgggtcgtca	1440
cagcttacia	accatgcttt	cagtgggcta	ctaccggaac	atctacaccc	caccggacag	1500
tagcacttct	tttatccaag	actatagtcg	agatggccga	ttgctacaga	ccctgcatct	1560
ggggacaggg	cgcagagtct	tatacaagta	caccaagcaa	gcaaggcttt	ctgaggttct	1620
ctatgatacc	actcagggtca	cattaacata	tgaagagtct	tctggagtga	ttaagacaat	1680
acacctgatg	catgacggat	tcatctgcac	aatcagatac	aggcaaacag	gacctcttat	1740
tggacgccag	attttcagat	tcagtgaaga	aggccttgtg	aatgcacggg	tcgactacag	1800
ctacaacaat	ttccgagtca	caagcatgca	agctgtaatc	aatgaaaccc	ctttgcctat	1860
agatctttac	cgatatgttg	atgtctctgg	cagaacagag	cagtttgga	aattcagtg	1920
aattaattac	gatttaaatac	aggtcataac	tactacagt	atgaaacaca	ccaaaatctt	1980
cagtgccaat	ggacaagtca	ttgaagtcca	atatgaaatc	ctaaaggcaa	ttgcctactg	2040
gatgaccatt	caatatgata	atgtgggccc	catggtaata	tgtgacataa	gggtaggagt	2100
agatgccaat	ataacaaggt	acttctatga	atagcatgct	gatgggcaac	ttcagatgt	2160
ttctgtaaat	gacaaaaccc	agtggcggtta	tagttacgat	ctgaatggaa	acatcaacct	2220
cttaagccat	gggaagagt	ctcgtcttac	tcctctccga	tatgacctcc	gagaccgcat	2280
caccagatta	ggagaaattc	agtataaaat	ggatgaagat	ggctttctga	ggcagagggg	2340
aaatgatatt	tttgaatata	attctaattg	cctgctgcag	aaagcctaca	ataaggcttc	2400
tggctggact	gtgcagtatt	actatgatgg	gcttgggcca	cgtgtcgcga	gtaagtccag	2460
cctagggcag	caccttcagt	tcttttatgc	agaccttacc	aaccccataa	gagttactca	2520
tttgataaac	cacacaagct	cggagattac	atctctgtat	tatgatctcc	aaggtcacct	2580
tattgccatg	gagttaagca	gtgggtgaaga	atattatgta	gcctgtgata	atacaggtac	2640
cccactagct	gtgttcagca	gccgaggtca	ggtcataaag	gagatactat	acacacctta	2700
tggcgatatc	tatcatgaca	cttaccctga	ctttcagggtc	attattgggt	ttcatggagg	2760
actctatgat	ttccttacta	aattagtga	cctggggcaa	agggtattatg	atgttgttgc	2820
tggcagatgg	acaacgccta	atcatcacat	atggaaacag	ttgaacctcc	ttcctaaacc	2880
attcaacctc	tactcctttg	aaaataacta	cccagttggc	aaaattcaag	atgttgcaaa	2940
gtataccaca	gacatcagaa	gttgggttga	gctatttggg	ttccaattac	acaatgtact	3000
acctggattt	cccaaacctg	aattagaaaa	tttagaatta	acttacgagc	ttctacggct	3060
tcagacaaaa	actcaagagt	gggatcctgg	aaagactatc	ctgggcattc	agtgtgaact	3120
ccagaaacag	ctcaggaatt	tcatttcctt	ggaccaacta	cctatgactc	cccatacaaa	3180
tgatggacgg	tgctttgaag	gagggaagca	accaaggttt	gctgctgtcc	cttctgtttt	3240
tgggaaagg	ataaaatttg	ccatcaagga	tggcatagta	acagctgata	ttataggagt	3300
agccaatgaa	gatagcaggc	ggcttgctgc	cattctcaat	aatgcccatt	acctggaaaa	3360
cctacatttt	accatagagg	ggagggacac	tcactacttc	attaagcttg	gggtctctgga	3420
ggaagacctg	gtgctcatcg	gtaacactgg	ggggaggcgg	attctggaga	atgggtgtcaa	3480
tgtcactgtg	tcccagatga	cttctgtgtt	gaatgggagg	actagacggg	ttgcagatat	3540
tcagctccag	catggagccc	tgtgcttcaa	catccgggtat	gggacaactg	tcgaagagga	3600
aaagaatcac	gtgttggaga	ttgccagaca	gcgcgcagtg	gcccaggcct	ggactaagga	3660

acaaagaagg	ctgcaagagg	gggaagaggg	gattagggca	tggacagaag	gggaaaagca	3720
gcagctttttg	agcactgggc	gggtacaagg	ttacgatggg	tattttgttt	tgtctgttga	3780
gcagtatttta	gaactttctg	acagtgccaa	taatattcac	tttatgagac	agagcgaaat	3840
aggcaggagg	taacaaaaat	atctctgcct	ttgcgtcacc	aaagactgcc	tgtttttaaa	3900
acataaaaatg	gtttatttga	ttggtttttct	agatcagaac	tctgtatatg	taaatatgga	3960
ggaaaaacat	atccaaactgc	ctttcaatgt	gacggaagat	ggatattttta	tattgtttgt	4020
ttaaactcctt	taagaaatga	cagagattttt	tagttcttgt	gtggcagtat	tcaaaaataac	4080
acaaggtaga	actcaaacag	ctaaaaacag	ttttcagaaa	gcaccacttt	caatttgccg	4140
agccatgcat	atgtttccaat	atccagaaaag	aaccaaggt	tctctatctc	tattgtgaga	4200
agcagtttca	tccttaactg	ttggcagaaac	ttacgggcta	tttgaatagg	tggtgcaata	4260
gtatctgaaa	cttgcccttc	gaaagactgc	cagccctttg	acgtttttcca	gatctgttat	4320
aggaaaactta	aaaacagggtg	taaaatgtct	tcagccacca	tctcctagag	tgaggacca	4380
attgcccttc	cttcttgatt	attcctcctt	gcttgtaa	gtaaatgcc	tattgttgtg	4440
ctgtgttttg	gcgtgtgggtg	gctgggttct	gtctaccatg	cttccctgtg	gggtgtggtaa	4500
ccagactgta	tagccgctat	ttgctcgtgt	gtacatgata	ccaaagcagc	tggccagcgt	4560
gacctctctc	acacgacctg	ttttgactca	attttttact	aaaagttgtt	cagctgtatt	4620
ggtatcatgt	aaacatagct	tttattaacc	tgggtaggaa	tttctcattt	atataatagga	4680
tgtgttttg	tcatagtttc	acattagtga	ttcagtatct	atacactgac	ccaatggttt	4740
tgtgcacatg	aacggtaatt	tacttaaaaag	tatgattctg	gtacaaaaac	aaacaaaggc	4800
tttagcaggc	atacgtgtct	gggatgccga	tacatacatt	aactactact	gcagaaattc	4860
ataagagcca	aaaccttaaa	aaaatagacc	tgggtactta	agtgaagta	ctaaagggaa	4920
gaccagacca	aacatcacag	cagttgctgc	ccacattgtt	tcagcccact	taggatttat	4980
ctttccaaat	gttacaattc	tgtattggaa	catctcccag	ccatcttcag	ggaaatcgga	5040
tccagtaaat	cctttccaac	cgaaaaacatt	tcaactaact	atagagaggc	agactcattt	5100
ttactaaaat	aattttataca	gttagttatt	ttcgttctcc	gtacttaacc	atztatcttt	5160
atttaatcgt	ctctactgcc	taggaaaata	actattttcc	aggacgggtt	atttgttctg	5220
cgatcattta	aaatttgagg	aaaggtcagg	attagtgtta	atatcagctg	cagttttctca	5280
atctctagga	atcctgcagt	aaaacaagcc	ccttggtgag	ctggaagatt	tgtgccagct	5340
gacaaagaga	tagtttgtaa	aatgctgtgt	aattgtaagt	taccacaaat	gaaaatacat	5400
gacagcaca	tgtggcccg	agaaaattcc	cctgagccag	cttctgcact	ttcatcaccg	5460
aatctgaaca	tttgctatgt	ctgaaggcaa	atttatgatg	gaatgttagt	ttggattcctt	5520
tccagatgct	acctaataatg	agtgtgggt	cattgccttg	ctttgcgatg	acagtttctt	5580
tgaaaaatg	caaagtcata	agctcatgtt	aagggtttt	aagagtctgc	ctcctactac	5640
acaaaggaaa	gcaagggaaa	ggaaatgacc	ctggcaaa	gtaggggaagg	gtgtattcaa	5700
acatttcatt	ttcaaaacct	tcgggttaga	ataccactta	cacatgtatt	ctgagagaca	5760
gaattcatga	ggaactcatc	tctctttata	actggaaaca	caccagcttg	atataattgct	5820
aatccatact	aaaatcata	tattgggttt	tttctgaatc	aggcctgtat	taatggta	5880
gtattttattc	agaatggaat	tctaaaatta	ctaacaact	tgttgaaaat	ttgaatacct	5940
ccacaccaac	ctaaaaatgg	accttaagtt	cctagaacct	ctgatgttct	tttaaatata	6000
tggaaaaata	atgtgtgaac	tgtatataga	gagtgcattc	ataaatgtga	ttatgtattt	6060
tatcacaaat	ccaaaatgtc	aatattagag	tctattttgc	ttatatatta	agcaattata	6120
cgtttttgca	attcattgat	gatgtatcat	tttcaaactg	ctttaaatat	ccattagaaa	6180
caaataatttg	aagcttttac	ttaatagtga	ttaccttgaa	ctgtgcattt	ctagtttgta	6240
atacgtattt	ggttggttcg	tgcctttagt	ttgttaaagt	tacatttgta	ttatattcag	6300
gaaatgcact	ttttattact	tacagctgtg	gttttaatac	tgccttgaa	tattattatt	6360
ctttttacaa	ctcctaaagc	ttgagggagg	aaagaaaaa	aaaacaaaac	tactaatcag	6420
tagtaaatcg	aagagaaaca	ttttggcatt	tcttaaaaag	aagatggaga	tattgagtat	6480
atcacttcct	attcagctga	atagaagaa	tgccttcatt	gacttgcagt	tctgcagttt	6540
aaattattga	aagaacaatt	cgtttgcat	tctgtgaa	agtaaaagca	tttttcagag	6600
aaacatatga	atctctcata	cccagcagac	agatggctga	cactgcacag	ccacacacca	6660
ttcgagtaag	ttaaagtga	agcatagtag	ttggactctc	ctatgaagaa	cattctgggc	6720
tggaggcagg	gaatactcca	tggttgtttc	tttttccctac	ttaagcccat	tttgtttgtg	6780
cttttctgtt	ttgttttgtt	ttcactcttg	cactacagtc	tagagatcca	aatgaactga	6840
aaagttcaaa	gtttaacaca	tttaaatatg	tttactttta	gttgtcattc	taatcgttat	6900
tgattagaag	catgactcct	gaaggaaagg	gaaataaatc	tcaattcata	ctaacttgca	6960
acaaaacact	tttaccatat	aaataagtat	atgattttat	tttaacccaa	aaaatgtata	7020
aaataagtgt	gtccttttact	gtcaatttat	cgagaagatc	tataatatat	agactacata	7080

tatataatat	atacaacata	gccaaatgta	tgaaaacttg	acaatgtata	atttgggaatt	7140
cacatgctac	ctatgtagac	aggtatgaaa	ttaagttata	attttcatga	gacattttca	7200
tcactgttga	cacagtttca	agcattccat	catgttat	tgactctttt	tctttttttt	7260
ttcttttaaaa	atatattttt	aactagacca	ggccccacta	taatatcact	taagagagtc	7320
agggcaaaagt	ttttgcat	atgaagatgt	gttcatgtaa	gggtgattgt	aatggagttc	7380
attggtaata	gaagcaaaaag	tacagtaacg	aagtattgaa	aagaaaattt	tggagacatt	7440
ggagcatatt	atatatagct	tgtggaaaaga	cataaggcta	cagatggaat	ggaacattcc	7500
tgttttcttg	aagaaattca	catacacata	gctgacctga	ctagtacttc	agctcttcca	7560
cagccttcta	taaaggttct	ttcttctgca	aagaaaacaa	aacaaaacaa	aacaaaacaa	7620
aaaaaacaaa	aaaagcgcaa	aaaacaaaaa	aacaaaaaaa	agcaaagtaa	aatttaaaaa	7680
tacagaaaac	aaacaacaaa	aaagaattca	accataaata	gtgactatta	ttttcagtgt	7740
gtccttcatg	tgaaagctat	taaggacca	atatactact	gttcataaga	agaaattact	7800
ttctaacaag	taactgaaaa	tacttagagt	taaacttgct	gtggattttg	tcttggcagt	7860
tgtcatctta	cattatttgt	caaaggaaat	gtgtttgga	gttaaaaaatc	tttccttaga	7920
tttagtggtg	gactttaacc	tcttaataa	atgttagtat	atcagattgt	gtccttgaaa	7980
aatattttac	ttgtatgaat	catgacaacg	tctaaatctt	tactattctt	ctggcaaaag	8040
catcagtaag	aaagaaggcg	aaaaagagaa	gtatagcctt	tatgtcagaa	aaacattctt	8100
tttagctgct	tactttctca	tgaaaagtaa	agatgtttac	agtgtatgcc	ccaagttttc	8160
cagtttcctg	taataaccaa	caggtaagag	gttcctaatac	catattgaaa	attgtgttat	8220
aatggtctga	gccccatgtg	cctaggaaac	aatagggtcc	caaatttgta	aatccctgcc	8280
tctcctgtgc	ctgaaaagtg	acctggatac	tgtaacaggt	tccatgttcc	tctggctgca	8340
gttaaagtgt	cttttgcat	ttgctctggc	tttcaggcca	gaagcatgca	tttttctaca	8400
agagcatcac	aacaacatgc	tgtaaataat	taaagttaaa	cattatgtgt	tgatatttga	8460
aagaaaagca	ctttgaatat	ttcattttta	aaaaataaaa	ttgccaatga	aaaaaaaaa	8519

<210> 5257

<211> 932

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (12)...(881)

<223> similar to gi495144 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5257

ggcggaattc	ggacatgatc	ctctccgcct	ctcgagataa	gaccatcatc	atgtggaaac	60
tgaccaggga	tgagaccaac	tatggaattc	cacagcgtgc	tctgcggggt	caactccact	120
ttgttagtga	tgtggttata	tcctcagatg	gccagtttgc	cctctcaggc	tcctgggatg	180
gaaccctgcg	cctctgggat	ctcacaacgg	gcaccaccac	gaggcgattt	gtgggccata	240
ccaaggatgt	ctgtagtggtg	gccttctcct	ctgacaaccg	gcagattgtc	tctggatctc	300
gagataaaac	catcaagcta	tggaaatacc	tgggtgtgtg	caaatacact	gtccaggatg	360
agagccactc	agagtgggtg	tcttgtgtcc	gcttctcgcc	caacagcagc	aaccctatca	420
tcgtctcctg	tggctgggac	aagctggtca	aggtatggaa	cctggctaac	tgcaagctga	480
agaccaacca	cattggccac	acaggctatc	tgaacacggg	gactgtctct	ccagatggat	540
ccctctgtgc	ttctggaggc	aaggatggcc	aggccatgtt	atgggatctc	aacgaaggca	600
aacaccttta	cacgctagat	ggtggggaca	tcatacaacg	cctgtgcttc	agccctaacc	660
gctactggct	gtgtgctgcc	acaggcccca	gcatacaagat	ctgggattta	gagggaaaga	720
tcattgtaga	tgaactgaag	caagaagtta	tcagtaccag	cagcaaggca	gaaccacccc	780

agtgcacctc	cctggcctgg	tctgctgatg	gccagactct	gtttgctggc	tacacggaca	840
acctggtgcg	agtgtggcag	gtgaccattg	gcacacgcta	gaagtttatg	gcagagcttt	900
acaaataaaa	aaaaaaactg	gctaaaaaaa	aa			932

<210> 5258
 <211> 2536
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (23)...(978)
 <223> similar to gi3372651 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5258					
gaattcccg	gtcgactatt	tcgtctttga	gggtcatacc	tccaaagtta	actgcctcct	60
ggttactcag	acctccgga	agaatgctgc	cctttacact	gggtccagt	accataccat	120
ccgctgctat	aatgttaaga	gccgagagt	tgtggagcag	ttacagctgg	aagaccgggt	180
cctctgcctc	cacagtagat	ggcgaatcct	ctatgcggga	ctggcaaatg	gcactgtggt	240
caccttcaac	ataaagaaca	acaaacgact	tgagatcttt	gaatgccatg	gccctcgggc	300
agtcagctgt	cttgctacag	ctcaggaagg	tgcccgaaaa	ctgctggtcg	tggggcttta	360
tgactgcaca	attagtgtac	gcgatgcccg	gaatggactg	ctcctcagaa	ctctggaggg	420
ccatagcaaa	accattcttt	gcatgaagg	ggtgaatgat	ctcgtgttca	gtggctccag	480
tgatcagtca	tcocatgctc	acaacattca	cactggtag	ctcgtgcgga	tctataaagg	540
tcacaatcat	gcagtgactg	tggatgaat	cctaggaaaa	gtgatgggta	ctgcttgcc	600
ggataaattt	gttcgtgtct	atgaattaca	gtctcatgat	cgattacaag	tttatggagg	660
acacaaagac	atgattatgt	gtatgaccat	ccataaaagc	atgatttaca	ctggctgtta	720
tgatggcagt	attcaggccg	tgaggcttaa	tctgatgcag	aattaccgct	gttggtggca	780
tggttgctct	ctgatatttg	gcgttgtaga	tcatttaaaa	caacacttgc	tgaccgacca	840
cactaatccc	aacttccaga	ctctgaaatg	tcgctggaag	aactgcgatg	cttttttcac	900
tgctaggaaa	ggatccaaac	aggatgctgc	aggacatatt	gaacgacatg	ctgaagatga	960
cagcaaaatt	gattcatgaa	gttttttgcc	tcccacgttg	ggaagtcatt	agttgaacta	1020
ttttcacatt	ggccccccac	acaggccact	ctcttccctt	tcttggtgaa	gtaaggaagg	1080
agaaagtgg	tactagccag	gcataccctt	agcataagtc	tgggcagctc	tatgggatga	1140
taaattacac	ttttaagttc	ttgctggagg	ttttaaatag	atttagacaa	atgttaagga	1200
accatacttc	tctgggacag	catggcatat	agtgatatat	gctatttgcg	ttctccagat	1260
gtttattgaa	gatacagatc	ctaattgggt	accagtttg	accctaata	tatgtatatt	1320
ttattgattt	cagtttgcaa	tttttaattt	atgttcttat	gatggtttta	acctatagtc	1380
aggcttttaa	gtacaagttt	gtttaagtgc	cagactttga	ggatcagttt	taatttctcc	1440
atttgtaata	gctgggtatt	taaactggaa	gcaaatagtt	ttctttctta	acaattatgt	1500
gcagtgtgtg	tcactgtttt	cttgctttt	agatagagct	ggctttaagt	gctaaaggac	1560
acagtagatt	tttgacaaac	agtggctgct	ctgctgacta	tcttttagga	attcaggaag	1620
caaatcacat	agtgacaagt	ccttacagac	accacttcta	gtaaatctct	gtaaatgtgg	1680
atagaaagct	cagtgtgagg	cagtgcgtag	acctaacgtc	tacctttaca	tctgctgttg	1740
aacctgggca	ctacctgtta	cagatcctgt	caggctgttg	aactggaggt	gtacctttat	1800
cttcctttct	agtgtctgac	cctgcaagcc	taatgttggt	ttgaaccctt	ttggtttggt	1860
cagttgccag	cctccatctc	tcccactgta	tggccgtgcc	tagaccgatg	gcagccatcg	1920
aatattcctc	tgggctcacg	gggtgttttc	cacccccctg	cagcaactaa	gatggtgggg	1980
gagaggggg	tagaataaag	catctgaata	cagttttcag	gacctcaagc	agacttctta	2040

0040373E 043100

```

gagacttgtt tctgagacag ttctttgcct tcacttccct gctagctggg aaagaagagt 2100
ggagcagaga ctctgcctgg ccactgagaa cagccaaatt cacaaaccct cagtggggct 2160
ttgttttttg attttctccg gactcatcag taaacctgta gaagtgtcgc tttccagcct 2220
tttgtttctg gatcctcaaa actcagaacg tggccgggcg tggtagctca cgctgtaat 2280
cccagcactt tgggaggctg aggagggcag atcacctgag gctaggagtt gcagaccagc 2340
ctggccaaca tggcaaaaacc ccgtctctac taaaaataca aaaagccggg cgtgggtggg 2400
gcctgtaatc ccagctgctc aggagggctga ggcaggagaa tcgcttgaac ccgggaggca 2460
gagattgcag taagctgaga tcgtgccact gcactccagc ctggtgacag agtgagactc 2520
cgtctcaaaa aaaaaa 2536

```

```

<210> 5259
<211> 4201
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(1394)
<223> similar to gi5911845 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5259
atgttacgac gctaccgccc tgacatcacc agttgccatg gtagcaccgc cgagagtaaa 60
ggaggggtgg tgctagacgt ttcgggcaga gctcgggcgc tgcggaggac aaggaactct 120
ccctctccca ctagtctgac ttcttccaaa atgagcggcc tggatggggg caacaagctc 180
cctctcgccc aaaccggcgg cctggctgct cccgaccatg cctcaggaga tccggaccga 240
gaccagtgcc aagggtccg tgaagaaacc gaggcgacac aggtgatggc gaacacaggt 300
gggggcagcc tggagaccgt tgcggagggg ggtgcatccc aggatcctgt cgactgtggc 360
cccgcgctcc gcgtcccagt tgccgggagt cgcgggcgtg cagcgaccaa agccgggcag 420
gaggatgctc caccttctac gaaaggtctg gaagcagcct ctgccgccga ggctgctgac 480
agcagccaga aaaatggctg tcagcttgga gagccccgtg gccctgctgg gcagaaggct 540
ctagaagcct gtggcgaggg gggcttgagg tctcagatga taccggggaa gaaggccaag 600
gaagtgcaga ctaaaaaacg cgccatctcg gcagcagtggt aaaaggaggg agaagcaggg 660
gcggcgatgg aggaaaagaa ggtagtgtag aaggaaaaaa aggtggcagg aggggtgaaa 720
gaggagacac ggcccagggc cccgaagatc aataactgca tggactcact ggaggccatc 780
gatcaagagt tgtcaaacgt aaatgccagc gctgacaggg ccttccttca gcttgagcgc 840
aagtttgccc gcatgcgaag gctccacatg cagcgcagaa gtttcattat ccagaatatc 900
ccaggtttct gggttactgc ctttcgaaac cccccccagc tgtcacctat gatcagtggc 960
caagatgaag acatgctgag gtacatgatt aatttgaggg tggaggagct taaacacccc 1020
agagcaggct gcaaattcaa gttcatcttt cagggaacc cctacttccg aaatgagggg 1080
cttgtcaagg aatatgaacg cagatcctct ggccgggtgg tgtctctttc cactccaatc 1140
cgctggcacc gaggccaaaga ccccaggct catatccaca gaaaccggga agggaaactc 1200
atccctagtt tcttcaactg gttttcagac cacagccttc tagaattcga cagaattgca 1260
gagattatca aaggagaact gtggcccaat cccctacaat actacctgat ggggtgaagg 1320
ccccgtagag gaattcgagg ccaccaagg cagccagtggt agagcgccag atccttcagg 1380
ttccagtctg gctaattctt gtctgtgtag aagcttctgc acaagtttcc ttaccacctc 1440
ctcttgacc tatgcttggc caacagcatg cagtcttcca tctgctttct cttcatactg 1500
tggtattatc tttccttttg ttctaaatct tcagtaatcg gttgcaagat tgttggttta 1560
cctgcctgtg ccattcttcc tctgggcctt catgcttttc tgcatttgtt taacatgttt 1620
caagtgcagt gccttctacg gcttctatgc caagcgtatg atactataga tatagtgtac 1680

```

catactgcct	ttcttttgc	ggcttggacc	ctatctgtga	ccatgctctt	ctcccaattt	1740
aagtgggttct	gtaccacaaa	gaatcttgat	acattttcac	aaataactga	ttgggcttca	1800
tactttatgc	tggctgtgtc	ctgataccca	tgtacttatg	gtaagctatt	tgggtattac	1860
cactgcaaga	caaaactgat	atcttaaccc	ggccatcaac	ccaaattgga	cattccagac	1920
taccaccaac	tggatcccag	ctgccttcct	gggcttgtgc	catccaccct	actggttatc	1980
tgatagaaca	agctgggtggc	tgatgggtga	ctgctaggcg	tgactgaggt	aatagatgaa	2040
aagtgttcta	tgttatcaca	ttgggttttcc	tgtacctttg	gttactctac	gtcatggacc	2100
agctgctggt	gagtatgaag	cctgtgctat	agccaccccc	tactcactct	caccttctgg	2160
ttgaactttg	cttaggccac	cattgtctgc	ctcatcagga	actatctgta	gacgtagctc	2220
ccaggagct	cacagcaaca	ccccctaccc	ccaggatggg	cagtaatatg	tgacagagcc	2280
caaagcaagg	ctgggaacgc	agtccttccc	agcttagtct	ttctgactcc	tagccaacaa	2340
accatcctta	atgtgagcaa	cttcttttagg	catttcctct	tttccccgcc	tgacccact	2400
ctgaacatga	caaaagttgc	cagagtggg	gcattgagga	agagatatatt	ctggaatgtg	2460
agacttgta	tgctctgtgc	tctttctctc	cctcctcctc	cctctcctcc	ccccctctcc	2520
ctcccatccc	ttttcttccc	tttcaactctg	aagcagtttt	agcttattaa	cagaaaacaa	2580
aactggcaaa	gcaggctttt	tgtttaattt	gctctttccc	tgattgtgtt	cagagagaaa	2640
ggttatgatt	aaatgggctc	cagatctctt	attgccctta	ttcctccacc	ccacttcttt	2700
tagcaaggct	tgaaagtttc	aaaggagagac	ctatagggtta	attgttttagt	tataggcagt	2760
gttaaattag	gcagattttg	acatatattat	ctttttaccc	catccattct	acaaaaacct	2820
gtgtatttct	tgagttttta	gtttgagaag	ctggaaagag	agagaagggc	ctcacagtga	2880
tgggttcagg	acgggtcaaa	ggcaaaggcc	tttgtgatgt	gagcaaaggc	aacaaaaact	2940
tagcctcact	ccacttttct	aaagatggaa	attctttttt	gggccttgga	ctgcttctag	3000
ggtagcattt	tgtaggtcac	tcttctcctt	tgtactattt	tgtttctgcc	ctgatgtccc	3060
ttgggtctcc	atcctactgc	ctggctttct	tggccctcat	ttctcagctt	ctgcatttcc	3120
ttccctgctc	ctaacaaatg	aagaagcagg	ctgcagcctg	cattgtggaa	gatctccagc	3180
ctccttgtag	gggataaggg	gatgtgcagc	atctgtgtgg	attttcacgg	acaagttcca	3240
gtagggtggg	cagtgatgcc	gtcaaggctt	agttatgatc	atgtgtgggtg	ataaagacca	3300
tccacatca	cccttttccc	ctttggtttt	gaaggccttg	ccctaagcta	cctgaggggt	3360
taggaggtct	gaacacacac	agtggagagg	ttaatctagg	ttgggaaact	gagtaaaagt	3420
ccagagcagg	aatgagcctg	ctgtggcgtg	ggtttgga	ggctcacagg	aaagaacctg	3480
caggatcagg	ggtgggagg	gaggccctg	aggtgctctc	cagggaagag	gggctggggt	3540
ttaaatagca	tgcttgagg	aagattttcc	ttcaattttt	cctaagtcct	tgaattcacc	3600
agtagatttt	tgtaaacaaa	atgtaagtcg	atgttttctc	tcaattatcc	taggagtgac	3660
ctttatatgt	gtggaagatt	aatggtatat	gctccttatg	tcactgtttt	tgagtaaaat	3720
ccatttcctt	tctctgtttc	agcctatgac	aaaattgatg	tttacaggcc	tgctttttgc	3780
ttataattga	caacatgtgc	aaaaatacca	aatttgtgtc	ctgtgcagta	tgaagaattc	3840
agtgaatatt	cattaatgta	ttagcttgtt	ttgctctctg	ttcatatatg	gctctattct	3900
tagaaatata	atttgaatgt	gatctttcaa	tagtctgaat	attttacaaa	ttatagctat	3960
gtcttgtgaa	aataacctca	aaaagaaaaa	tacgactctg	ttgtcttact	tgatatttct	4020
tgccctagta	atgtacttga	catttatgtt	cctaagcagt	gtaagtacta	gtagaatttc	4080
tctgtcaaac	tcaatgatca	tttagtactt	ttgtcttctc	ccatgtgctt	gaaggaaaaa	4140
taaagtgtca	ctaccgtatt	tcttgttttc	atcaaaaaat	aaaaataatt	taaaaaaaaa	4200
a						4201

<210> 5260

<211> 1385

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (217)...(486)

<223> similar to gi643 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5260
aattaataca ttttgtgctt ttattcagct catcttgttg taaaaggagt ttgctcaggc 60
aatgaattat gtcagattag gaataggtct tgaccgatct acagatatgc agtattgatg 120
gaaaaaggat ccctacttag aatagtttct ctggagtgag tataactgcc tttattaaaa 180
tgtttctatc tcttgaaca atttcataat tgtatagttt ataggcaagc aataaacagc 240
aagatgtttg aggtggatat gaaaattgct gaaatgcatg taaaaagaaa gcaactccat 300
caactactac ctaatcatgt gcttcagaaa aagaaaaagc attcaacaga aggtgtcaaa 360
ttgacagctc tcaatgacag cagcctcgac ttgtctatgg acagggataa cagcatgtct 420
gtgccttcac ctactagggc tacgaagacc agtccattga acagtctctg cagctctcag 480
gggtaaggaa aaagagggaa atagaagtgg aggggctgtt tgctaaatca atcagataca 540
ttctcttttt gctattaaag tcatctattt agaattgttatt tttcattcca tctactaatt 600
ttttttttaa tagcaattta attcccaggt ttggggatag tacttttttg ttttgtcttg 660
tcatacttaa cattttattt ttgagactga taatgtcttc agtcagatgt gaatgaatgt 720
tagcacataa cccctccaaa ttcatgtatt tagatagcta ctgctacagt gcactgtatg 780
gtgtgctgat gagaacagac aaaaggaaca aaaccacctt tctgtcccag agctgcttat 840
acctttgtaa cagggaatgt gtctatgata gttagggaaa cctgttttag aagagctaga 900
tatctgtcta acatttacag cagttaaaat tttaaaaatt tattattatt ttgagaaatg 960
gggtctggct gtgttgttta ggctggcctt gagttcctgg atttaagcga tcctcctact 1020
tcagccttct gagtggctga gactacaggc gcatgccact gccctgggta tgaagcagtg 1080
aaaaattttc agccaggtgc agtgactcac acctgtaatc ccagcacttg gggaggctga 1140
ggtgtagga tcacttgagg ccaggagttc aagaccggcc tgggcaacgt ggtgagactc 1200
ccatctctag aaaaaagtaa aagaattagg tgtgttggtg tgacacctga gtcgtggcca 1260
ctcaggaggc tgaggtggga ggattgcttg aacctgcaag gttgagacta cagtgaactg 1320
tgatcccact gctgttgccc ccagcctggg caaccagagt gagaccctgt cttaaaaaaa 1380
aaaaa 1385

<210> 5261
<211> 455
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (11)...(58)
<223> similar to gi2224405 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5261
agcggccggc cttttttttt tttttttttt tttttttttt ttttatgctt atgaatctat 60
ttaattgctc agactgtgct agagaatacg taccatgaaa tacatatatt tcataagggtt 120
cagttacaaa atggattgtt tcaaatggca atttcttaca ctaacctgat tatgaaaaaa 180
agaagtctgt atcatctgct tccaagtctg ttatgtccaa atatatttta attatgcatt 240
tattttgcta cttttataaa tattagagat ttcaccttaa attatttttg taactagttc 300
tagaacatgt tttccaatta ttatttttct aatggagaca tataattgac ctatgtttat 360
gcatatatgt tctctacaca gtgaaacttt ttttaaaaag aatagtaaag aaaatgcgga 420

agctctggct ctccaaggca aagtcaaaaa aaaaa

455

<210> 5262

<211> 399

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (208)...(283)

<223> similar to gi2204218 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5262

tttgtgctgc	aaccaggtac	tgtgatttct	cacctagttt	ccatagctct	tgtgaagggtg	60
ttttcgtgca	tggatagtgt	tcaaattgat	gtttctgtta	ggggacaatc	actggagagt	120
cctattcttc	catcttattc	tgccccctctc	ctccaaaaag	gtcaacttgt	aactgctttt	180
ttcaaaccaa	tattcaatca	gtttatgaac	cacatgagtc	agaatcatca	gaatatccca	240
ccaacaaata	cagagagaag	atcaagatcc	tgtacaatac	tataaatata	tatttatgtt	300
ttcacagtca	cccagtgtat	tgtaatgtat	acttgaaaaa	tggtataact	tatgaaggac	360
agtttctgat	gagagtcctt	ataagatata	agacttaat			399

<210> 5263

<211> 2255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1881)...(1012)

<223> similar to gi5912357 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5263

tttttttttt	ttactttcat	taagtgtc	tttattat	atgtagaaaa	gtttaaaatg	60
ctcccaatga	gttcatcagt	tatcaagctc	acatgagtta	ggacacaatc	acctttgggt	120
tttcatctca	taataagtca	gcaaaagttg	acatttatct	tactagacat	ttcccatag	180
ccctaactga	aacagatatc	aaacacccta	gattctcttc	agtgcaaagt	atctggagtc	240
acagcaattt	tagagacaag	ctagtgcaat	ctagtaattt	tcatagtcgc	agaaactgag	300
gcctagaagt	gatttgtaca	tgtgagcagc	tagaaccagg	acaagaactc	cagaacctgg	360
gaccacgtga	gagtaaaaag	aaagggcacc	gagtacagga	acaacaactg	acacatttca	420
ggtggaaaaa	acaagtcaca	taactgaaaa	ccaaaatcac	agttacataa	ctattttata	480
ttagcttcct	acataataag	tataaaaact	cagctataca	tggtatgaaa	ttgtacaaac	540

```

ttacacttgt ttatggccta aaatttgtat aaggacacac ttatacagat ttcataaaca 600
atggccattt ttagaaaaag ttatatattgt ccctgaacat aatattcata atttgctttc 660
aaaacaaact cgaagtaagg attggacttt aagcttccaa gctgatccgc ttgtagcagg 720
tctttcacct ccggttaagta ctcaactgagc tgaatgccat cttttaaaag tttctgtaag 780
atcttcacaa atatactgtc tttagatact tcaattggat catctttgcc atcagaactg 840
gaccagttat ctctctgaag agctttgcaa aggatttcca gtttttagatc atttatatatt 900
atatcttctt cctcatcaat atattccaac aagtccaaag ctttcttgaa atcatattca 960
ttagctcttc tattttcttc acagatatat agaccaatga gttgtgggtgc agtcaatact 1020
ggcatcgcac tgagatttag ctgtttctcc gccagcagct gttcaggtag ggtctcctga 1080
tgcagtagaa agcgctcctg ctcaagccatt tcttcaattt tttctttag catatcctct 1140
gaaaagtctg aagctaattg agccaattta ctcaagccaa gaagggtttt cttctttgca 1200
aagtaacgag tttccatatt tgccaaaccc agaagtgttg catgagcctt ttctaattct 1260
tggctattaa tttcatgtaa ccagctgaga tgttcatgag cttgcaaaaa atttgccaac 1320
tgtccatgct gagaaatggg ctgagataat aatttgcctc gctttccttt ctccagatac 1380
caacggaaga gaaagtctga aaaattctga tcagcaaact gggctcatgta gcgctggagt 1440
cggctctggg tgtcagtctg ctcacacatt tgtaccaata tatcaaagtc acagtatttc 1500
tctgctagag aagcagccca caggtagctg cctagtgaag gaagaggaga taagagatct 1560
gatcttttct gtaggtattc catctccaga ttgtcatatc tttcccgatt actggattta 1620
tccacagact taagctgaga aacataacca tccaggaagc aatcgatcag ggctaccagc 1680
tgctcgggtc cgatgtttcg gaggttgctg tctgcctgtg gataagccac cttcaggaca 1740
atctcatgct ggcgtattat taccgttcgg atgccaccag gaccacttgt tgccgtccat 1800
ggaacatatt cagggttcttt ttctagtgat tcttctcttc tatacaaaga gtttctattt 1860
tggcgataat gactagcagc ctgcagcata tcctggaaaa aaagttaatg tgttatcaca 1920
tgcaaaaagg gatggatcac agtatttctg aagataattt aagacagcaa agtaaattag 1980
taagaaaaaa tactcagggg ccaggaatgt tggctcacac ctgtaatccc agtgcttttg 2040
gaggctgagg taggaggatt gctcctagcc tgacaacata gtgagacccc atctgtacaa 2100
aaaattttta aaattacctg ggcatcgtgg cgtgcacctc ccgtcccagc tacttgggag 2160
actgaggcag gaggactgct tgagcccagg aggtggaggc tgcagtgagc tataatcaag 2220
ccactataaa cacgaaatcg tcgaccggg aattc 2255

```

```

<210> 5264
<211> 719
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (599)...(168)
<223> similar to gil256001 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5264
tttttttttt ttccaaggac aagagtgtct ttactggagt tgggactggg gcctctatag 60
gggcttctgg tttctgggct gtaggtttgt gaggtgtggg atcttaagtc aaaggtgggg 120
gactagggca gggatatcaga aggtgatgtc atcctcgtag agggacagca gcagcaggac 180
ggtccagccg cccagcaggc ccacgttgtg cagcaggaag aggagccagg gccgcgggtc 240
ccgtactttc aacatcgccg ggagcatgtc gcagagtgtc acgtagagga acaggccggt 300
ggccactgcc aggatccagg cctcgctctc ctcgctgact ccaaccgcga gtgccacgta 360
gagaccagcg aaggccgtga gcgcggaggc caggttcagc agcagtgtt ggcgacagga 420
cagccccgcg tgcagcaagg cggcgaagtc cccagctcg tgtggcaact cgtggcagaa 480

```

cacggccagc	gaggtggcca	gcccgtctt	ccaggaggac	gcgaaggcgg	cgcccacggc	540
cagccgctcg	gcgaagttgt	gcacggcgtc	gcccagagtg	atcatatagg	gcagtagcct	600
caactctggg	ctcagtcctc	tgggtctcag	gttcagcagc	tccgggctct	cctccgccac	660
ctgggaggag	ccttgagtaa	gtcctcgaaa	tcgtcgaccc	gggagttccg	gccgagtgc	719

<210> 5265

<211> 1794

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (574)...(1015)

<223> similar to gi3157950 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5265

gaggagctga	ggttcgggtcc	ccgccgggga	ggtcggggacg	ggcaggggct	gaggacccccg	60
cgccagcttg	ggagcccttg	agttctggcg	ggaggggaagc	tgtcaaatgg	aagccggtag	120
aaatgagaca	gacgcccga	gaagcgggga	gccccgcccc	tccgccatag	cagcctcggg	180
cgccgcctct	tcctttccag	cctcccgccc	tcgtctgctt	ccggccctgt	ggcctgggtg	240
ggctctgcag	gctccctcgg	gagtggctct	tgggccgttg	cccctctggg	aggcctgagg	300
gagctcaatc	ctggtagcaa	cacccctgaa	ttcctgggtg	tgaaaggatg	tggccccagg	360
acccatcccc	gaaggaggtg	ctgaggtttg	cagtcagctg	ccgtatcctg	actctgatgc	420
tgcaggccct	cttcaatgcc	atcatcccag	atcaccatgc	agaagccttc	tctcctcctc	480
gcctggcccc	ctcaggcttt	gtggaccaac	tcgtggaagt	attatgccta	cacccaattc	540
tgtctgccag	gctcagcccg	ccccattcct	gagccttttg	tacagttagc	tgtagacaag	600
ggctaccgga	ttgcagaggg	aaatgaaccg	ccttggtgct	tctgggatgt	tccactaata	660
tacagctata	tccaggatgt	ctactggaat	gttggctttt	tgaaatacta	tgagctcaag	720
caggtgcccc	attttctact	ggctgcacca	gtggctatac	tggttgcttg	ggcaacttgg	780
acatacgtga	ccactcacc	ttggctctgc	cttacacttg	ggctgcaaag	gagcaagaac	840
aataagacc	tagagaagcc	cgatcttgga	ttcctcagtc	ctcaggtgtt	tgtgtacgtg	900
gtccacgctg	cagtgtctgt	gctgtttgga	ggtctgtgca	tgcattgttc	ggttctcacc	960
agggtttttg	gctcctccac	tcctattatg	tactggtttc	cagctcactt	gcttcaggat	1020
caagagccgc	tgttgagatc	cttaaagact	gtgccttgga	agcctcttgc	agaggactcc	1080
ccaccaggac	aaaagggtccc	cagaaatcct	atcatgggac	ttttgtatca	ctggaaaacc	1140
tgttctccag	tcacacgata	cattctaggc	tacttcctga	cttactggct	cctgggacta	1200
ctcctacatt	gcaacttcct	gccttgga	tgacctggac	tctccaggga	caggttgga	1260
gccaacttaa	cccaggggtc	tgaaagtaaa	aatacacatt	ggaactgcct	ctgctgccct	1320
gggatcatta	ctgtgtccat	tataatcttt	ctctttctct	ttgaaagctg	gtcaggaatg	1380
ggagaagtgt	cagacactag	agagccccct	ctggctcctg	ctagggcaaa	ttttagacaa	1440
ctatcttctc	tgttaagtga	gattgtcgta	ttccaagtct	aaaatacacc	tggatctgtc	1500
tagtcaatca	acatagcaga	gacagtcttt	aaacctacca	ttgacctgtg	tgtaaattta	1560
aatgttcatt	ttattgaagt	gtaaatttca	tcataaggca	ttagctgtta	ggctggttat	1620
cagtccacac	aagtttgtat	aggcctgaat	tgtgtagtgg	cagtaaaaaa	gtgggaccat	1680
ttttacaaa	tgcgacattg	tttctgatgt	ttttttttat	gatttgtgca	tgtattttta	1740
tatgaaaaaa	acttacaaag	atatgcaaat	taaacttctt	tcagttataa	aaaa	1794

0940325-013400

<210> 5266
 <211> 1499
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (311)...(910)
 <223> similar to gi3881107 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5266
 gtttcgcgga cctatgtcgc acgtgttgga attcgccttc cggagtgcgc agggcgacgg 60
 cccacacctc ggccactggg acggcggcgc ggagaaggca gactttaacg ccaaaaggaa 120
 aaagaaagtg gcagagatac accaggctct gaacagtgat cccactgatg tggctgccct 180
 tagacgcatg gctatcagtg aaggagggct cctgactgat gagatcagac gaaaagtgtg 240
 gcccaagctc ctcaatgtca atgccaatga cccacctcct atatcaggga agaacctacg 300
 gcagatgagc aaggactacc aacaagtgtt gctggacgtc cggcggtcac tgcggcgggt 360
 ccctcctggc atgccagagg aacagagaga agggctccag gaagaactga ttgacatcat 420
 cctcctcatc ttggagcgca accctcagct gcactactac cagggtacc atgacattga 480
 ggacacattt ctgctggtgg taggcgagag gctggcaaca tccctggtag aaaaattatc 540
 taccacccac ctcagggtatt ttatggatcc aacaatggac aacaccaagc atatattaaa 600
 ctatctgatg cccatcattg accaggtgaa tccagagctc catgacttca tgcagagtgc 660
 tgaggtaggg accatctttg ccctcagctg gctcatcacc tggtttgggc atgtcctgtc 720
 tgacttcagg cacgtcgtgc gggtatatga cttcttcctg gcctgccacc cactgatgcc 780
 gatttacttt gcagccgtga ttgtgttgta tcgcgagcag gaagtcctgg actgtgactg 840
 tgacatggcc tcggtccacc acctgttggt ccagatccct caggacttgc cctatgagac 900
 actgatcagc agagcaggag acctttttgt tcagtttccc ccatccgaac ttgctcggga 960
 ggccgctgcc caacagcaag ctgagaggac ggcagcctct actttcaaag actttgagct 1020
 ggcacagcc cagcagaggc ctgatatggt gctgcggcag cggtttcggg gacttctgcg 1080
 gcctgaagat cgaacaaaag atgtcctgac caagccaagg accaaccgct ttgtgaaatt 1140
 ggcagtgatg gggctgacag tggcacttgg agcggctgca ctggctgtgg tgaaaagtgc 1200
 cctggaatgg gcccctaagt ttcagctgca gctgtttccc tgaaagccag agaagacctt 1260
 cctcttacat cacattaagg caccactca ctaccttggc gtcgattttt gggctctgact 1320
 tgactcgtca actgctggtc tctccacct gggttgaaat gtcgttgga acttgcaaag 1380
 actctccaga ccttagggaa caagaggcat cactcagtc ttctgggaca gcttccctgt 1440
 aagcaaagcc aggtttgttc tagattcact ctggccttga aaaaaaagtg ctttttgcg 1499

<210> 5267
 <211> 820
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (718)...(444)
 <223> similar to gi4538665 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5267						
cgctcgacttt	ttttttttcc	tggacagcat	ttcattttat	tatgtaactg	tagaaagcct		60
tgatcaagat	aaaaatagg	atgacttatc	agaaactgaa	gaattttctt	aggaaagcaa		120
agtttactga	aggatacctt	cattccagcc	atgatgaacg	tctgtcttct	caggcaatca		180
tgatgaagct	ccagggcag	tataacccat	ctctcccact	catccctgag	ccttggtcct		240
ggactgaatg	tggttagagg	ttgtggaaat	aaaaaaaaaga	acaaaaataa	gaacactctc		300
cataaaagcc	aagctcagag	actggctcctc	ttttgcttag	gtacaacagg	agcaggaagg		360
atcaacattc	ttgaaagcat	accttctatt	catttggtct	ttttgacttg	gggcgccagt		420
gtagagctga	gcactccact	gccctttctc	cactcacaaa	tgtctgcata	ggtacacgtc		480
cggcactttc	aagcctcctc	cacgtcaact	ccctggggct	ctcgggtggc	catccagtag		540
gccatataat	gctgcacctt	ggctctcacc	tcccttctct	tgaaggctac	aatctcagta		600
cccagcacag	tggcagctct	ttggtggata	tactcaatct	tcaagatatc	aataactggg		660
aggtctgaca	gtgttagaga	caagaagaca	agttccatga	ggtcacccaa	agacttcaca		720
gagaagcctc	cctgctgggc	atgcctcagc	actgatggcc	ccagtggctt	ttctagaccc		780
aacttttgtg	ggtggattag	gctagcagg	gtcacttttc				820

```
<210> 5268
<211> 1046
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (772)...(593)
<223> similar to gil903220 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5268					
tttttttttt	tgattcgcta	caatgagttt	attggaacaa	cagagtgaac	caaagacaaa	60
ggagaaggca	gcagagtcac	tagtttttca	gaagctcttg	agggcagccc	cggaaggag	120
atgttctccc	cacacgcgtg	ggcctgtccc	tgcgagagtc	atagaaccac	tatccaggg	180
ccgcgtctcc	attccacagg	caaaagcaca	tgggcagagt	cccagggtcgt	gcagacaggg	240
acattcccg	gcctcccccg	ttcctccaag	ctttggggaa	gagctcaggc	aagaccaatg	300
tatacagcaa	aaaaaaaaa	gaaggtaggc	ggaagaaaaa	gatgaatcct	cgggacaaca	360
aattgactac	caggaaaagc	tacagagaga	gaccatggcg	cctcccggcc	ctccccggac	420
tcctgcgtcc	ggggatggct	cccggagcgg	agcggtgggg	agggcgctta	gagtgcaggc	480
agcgggcggc	ggctactggg	aggccggcgc	gggcggcgcg	ttctggtggc	gcgaggtact	540
ggctgggtgg	agagtgcagg	cgacaggcgc	tggcggaggc	ggcagcctcc	tagcacctct	600
tacagctgcc	gccgcagacg	ccaacccggg	cggagggggc	gcaggcgcta	gtagtgccca	660
ccaccacggt	gctgttgctg	gggacgctac	tgactctggt	ggagacaaca	ggggcagtag	720
tggaggcgca	gagatcgcca	cagacaacgc	caccgcggga	gctgctgacg	cctgcagggg	780
aaagagacgg	aggcgcgcgt	caggcgcagc	cgcgacctgg	gtgagtggct	ttgctgcgag	840
cccacgcggc	ctttgccccg	aggctcccag	acccgcccag	cgggaggagg	ggacggaccc	900
cactactttac	agacattcac	cgagccgacg	ccctcgacac	gcctgcaggg	agagaaggcg	960
agagggtcagt	gccgcggaaa	aggcgcggg	cccccgtagc	tgaagtggag	ggggacatct	1020
gtggccctcc	atctqqgcac	ttqcca				1046

<210> 5269
 <211> 1701
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (37)...(793)
 <223> similar to gil067223 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

004870.0100

<400> 5269
 gcggccgcgg gggccccgcc tgctgcgcgc gcgggctacg cccacttgct gaacgtgcag 60
 ggccggacgc tctatgacgt catcttgtag gggctccagg aacactcgga ggtgtctggc 120
 ttctttctgg agtgtgacag ctccggtgcag ggcgcgctgc agaagcacct cgcgctatac 180
 aggatccggc ggaagggtcac ggtggagccg caccgcggagc tgcgagtgtg ggcggtgttg 240
 cccagttccc ctgaggcctg cggggctgca tcgctgcagg agagggcagg ggctgccgcc 300
 atcctcatcc gcgaccgcgc aacagcacgc atgggggtggc ggctcctcac ccaggatgaa 360
 ggcccagccc tgggtgcccgg gggccggctc ggggacttgt gggattatca ccagcaccga 420
 tacctgcaag gcgttcctga gggggtccga gacttgccctc ctgggggtggc cctgcccctg 480
 gagtccaacc tggccttcat gaacggcgtg agcttcacca aaggctgcta cattggccag 540
 gagctgacgg cccgcaccca ccacatgggc gtcacccgca agcgcctctt ccctgtcccg 600
 ttcttggaac cccttcccac cagtggcatc acccctgggtg ccacgggtgct gactgcctca 660
 ggacagactg tgggcaagtt cagggtctggc cagggcaacg tggggctggc cctgctgtgg 720
 tcagagaaga tcaagggtcc tctgcacatc agagcctctg agggtgcca ggtggcctta 780
 gccgcatctg tgccagactg gtggcctaca gtctccaagt agtccgaagc cttggctggc 840
 gcaggctgat ggggaggtct gggcctgggg cctttggcct ctgtccaggg tcttcccgtc 900
 ccatctgtct gctgcgccta ctgggtggga gccctgggtt ccatctggga aagtccccct 960
 tgtaggtgcc ctgcctggcc ccacccatgc tcaggggccc caggcacgtg ggttggtttc 1020
 tccctggact tctgtggcc ccagaggagc ccaccgtgtg agtgcctggc tccagatggc 1080
 gccgggtccc aatcgtggct ccacacaggg ttgtctggga ggacgggacg gtgtctcttg 1140
 ccagcactgg cagcttccgg gccttgtagc cctctctgcc tggcatgagc ctcatggggg 1200
 gttggtccct gtgcctggaa gcgggggtgt gtccagggtc tgcaggctgg ggctcgggct 1260
 ttgggagttg tttcactgtg cttgcttcca gcatgtctca ggggtggggct atgcgtggtc 1320
 tagaggggtc tggggcattg gatcagggtg catgtgggtg tctacacatc gagaagcaca 1380
 cagggatgag ccactaggta tcccatgctg gaggtctgtg gaaggctgtg cccatctccc 1440
 atgtttcccc acctctgttc ctccctcagag ccctccagga gcgtgggggtg ggggccagcg 1500
 cagggtcag gagccagcag ggcagagttc tgccctgtgtg tgctgggttt tggcatagcc 1560
 tgtgtttgca gtgagagtga cttgctgtca gtcacggggc acagcctcct gttcacccac 1620
 tggcttcccc ctcccactg aagtgtgagc tctatgtttc agggcatcta ttaaagagtg 1680
 agccacaggc aaaaaaaaaa a 1701

<210> 5270
 <211> 712
 <212> DNA

09-03-2017

<223> similar to gi2760483 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

t t t c g t a a a a	a c a g a g c g g g	a g t a t t g g g a	g g a g g a t a a g	c t g g g g a a g a	g g c t g g c c a c	60
a c t g g t t g c t	a t a a c c a c c a	c c a c t t c c g g	t c c g t t c c t c	t t t a c g g c c c	a c c t c a g c g c	120
t g c c c g c g c g	a a a t t t g t a t	c c c t c t g c t t	g t g t c c a c t g	g c t c c t g g g g	a g c a g c g c a g	180
g g a g g a g g a g	g a g g a a g a t a	t c a a a g a g c c	c t c c c a t t g g	g g g c c c c a g a	t c g c c a c t t c	240
c g g t g a c c a g	a g g t a g g g a a	g g a a a c a a t c	c c g a c c c g g a	g t g g a c a g g t	g a g g a g g g g a	300
g g a c t t g c c t	c g c c g a g g c c	g c t g c g a g g a	g c g t g c c c a a	g g g c g a a g g t	c c a g g g a a c c	360
c g g c t c c c g c	g c a c c g a a g a	c g g c c g c c a t	g c c g g c c c g t	t g t g t g g c c g	c c c a c t g c g g	420
c a a c a c c a c c	a a g t c t g g g a	a g t c g t g t t	c c g c t t t c c c	a a g g a c c g g g	c c g t g c g g c t	480
g c t c t g g g a c	c g c t t c g t g c	g g g g c t g c c g	c g c c g a c t g g	t a c g g a g g c a	a t g a c c g t c c	540
g g t c a t c t g c	t c t g a c c a c t	t t g c c c a g c	c t g t t t t g a c	g t c t t c t t c g	g t t a t c c a g a	600
a g a a c c t g c g	c t t c t c c c a g	c g c c t g a g g c	t g g t g g c a g g	c g c c g t g c c c	a c c c t g c a c c	660
g g g t g c c c g c	c c c g g c a c c t	a a g a g g g g a g	a g g a g g g a g a	c c a a g c a g g c	c g	712

<223> similar to gi4704324 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

tttttttttt	ttggtgaaac	ataatgtttt	taatttcaca	cctcacagag	cacagttgaa	60
tgcttcataa	cgacataaac	aaaagtttag	ctaagcactg	cagacgagtt	gggagggcaa	120
agatagcttc	ccctgtggtc	tgcactccag	gtttgcgagg	gaatatgtaa	ctaacaaact	180
gcttggtctaa	ggccacagaa	atgtgtttcc	tgggtgtttt	gctgctgacg	ccagtcttct	240
ctgacaaaaga	tgtgttaaca	ctgggtgcaa	caaactgaat	ctctttccta	agatcagtca	300
ggaaaatttca	tgtcttattt	cttcctggat	ttcttttttg	tgggtgtcata	agcacggatg	360
acttcttccct	gactaacagc	tccgtgttct	tcttgagaaa	aagcataccc	atgcgggacg	420
ccctgctgca	gggagctgcc	ccggaacagc	gtcgggggcg	tcttcgggcc	cagcctcttg	480
atcaggcggt	cgcgctcggt	cagcctcttt	ccattgctat	cccgcagcac	cgcttttccc	540
aggactcgag	acttggtttc	cagctcctgc	acctcctcca	gcaatgtctt	tttgcaggtg	600
tgcttggtcg	ctctccatgc	cacatcttca	atcaaacagg	cagtaggaac	cagaaataat	660
cccaaccaga	agtgtgcgga	gctcaggacc	atagttgcct	gtcctctcat	atctggagca	720
atgggaatgg	tgg					733

<210> 5272
 <211> 1336
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (117)...(1030)
 <223> similar to gi4589624 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5272
 acaagcctgt gagcaagcac aagcgggatg agttggtgag agccattgaa tcacccttgt 60
 agaccctgaa ctatcctgca gagaacagct tcaatcaccg tccttacacg gcttgtgatt 120
 tcatagaagg gatctaccga acagaaaggg acaaagggac attgtatgag ctcaccttca 180
 aaggggacca caaacatgaa ttcaaacggc tcatcttatt tcgaccattc ggccccatca 240
 tgaaagtgaa aaatgaaaag ctcaacatgg ccaacacgct tatcaatgtt atcgtgcctc 300
 tagcaaaaag ggtggacaag ttccggcagt tcatgcagaa tttcagggag atgtgcattg 360
 agcaggatgg gagagtccat ctcaactgtt tttacttttg gaaagaagaa ataaatgaag 420
 tcaaaggaat acttgaaaac acttccaaag ctgccaaactt caggaaacttt accttcatcc 480
 agctgaatgg agaattttct cggggaaaagg gacttgatgt tggagcccgc ttctggaagg 540
 gaagcaacgt ccttctcttt ttctgtgatg tggacatcta cttcacatct gaattcctca 600
 atacgtgtag gctgaataca cagccaggga agaagggtatt ttatccagtt cttttcagtc 660
 agtacaatcc tggcataata tacggccacc atgatgcagt ccctcccttg gaacagcagc 720
 tggtcataaa gaaggaaaact ggatttttgg gagacttttg atttgggatg acgtgtcagt 780
 atcggtcaga cttcatcaat atagggtgggt ttgatctgga catcaaaggc tggggcggag 840
 aggatgtgca cctttatcgc aagtatctcc acagcaacct catagtggta cggacgcctg 900
 tgcgaggact cttccacctc tggcatgaga agcgtgcat ggacgagctg acccccgagc 960
 agtacaagat gtgcatgcag tccaaggcca tgaacgaggc atcccacggc cagctgggca 1020
 tgctggtgtt caggcacgag atagaggctc accttcgcaa acagaaacag aagacaagta 1080
 gcaaaaaaac atgaactccc agagaaggat tgtgggagac actttttctt tccttttgca 1140
 attactgaaa gtggctgcaa cagagaaaag acttccataa aggacgacaa aagaattgga 1200
 ctgatgggtc agagatgaga aagcctccga tttctctctg ttgggctttt tacaacagaa 1260
 atcaaaatct ccgcttttgc tgcaaaaagta acccagttgc accctgtgaa gtgtctgaca 1320
 aaggcagaat gcttgt 1336

<210> 5273
 <211> 1045
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(955)
 <223> similar to gil420005 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5273

aatttctgcc	atttgaagga	aaagtgaatt	taaagaaacc	gcaacatgta	ttttctgttt	60
tggaggatta	tggtttagac	ccaaactgca	tccctgagaa	tccacataat	atttattttg	120
gtagatggat	tgcagatgga	cagagagagc	ttattgagtc	atacagtgtc	aaaaagagac	180
actttattgg	aaatacaagt	atggatgctg	gtttgtcatt	cattatggct	aacctggaa	240
aagtgaaaga	aatgatatt	gtctttgatc	catttgttgg	aacaggtggc	ctgctgatag	300
catgtgctca	ttttggtgca	tatgtgtatg	ggacagacat	agactacaac	acagttcatg	360
gcttgggaaa	ggctactagg	aaaaaccaga	agtggagagg	accagatgaa	aacattaggg	420
ccaatcttcg	tcaatatggt	ttagagaagt	attacctga	tgtcctgggt	tcagatgcat	480
ctaaaccttc	ctggaggaag	ggcacatatt	ttgatgcaat	cattactgat	cctccatattg	540
gtatcagaga	atctacaaga	agaacagggt	cacagaagga	gataccaaag	gggatagaaa	600
aatgggaaaa	atgtccagaa	agccatgttc	ctgtttcctt	gagttatcat	ctgagtata	660
tgtttcttga	cctgttaaac	ttcgcagctg	agaccctcgt	tttaggtgga	agactagtct	720
attggttacc	ggtgtatacg	ccagaataca	ctgaagagat	ggtgccttgg	cacccttgcc	780
tggaactcgt	tagcaactgc	gagcagaagc	tttccagtca	cacatcaagg	cgcttgatca	840
caatggaaaa	ggtgaagaaa	tttgagaatc	gggaccagta	ttcacatctg	ctaagtgatc	900
atcttctgcc	ataccaaggt	cataattcct	tccgtgagaa	atattttagt	ggggaataca	960
aaagaattgc	caaggaagaa	aaatccacc	aggaatgaaa	attaagattt	tgtcattgat	1020
gaaagaataa	gaatttgatt	taaaa				1045

<210> 5274

<211> 1188

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (23)...(581)

<223> similar to gi4469173 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5274

attcccggt	cgacgatttc	gtcacatgc	ccgcccgggc	ttcttcttct	cccatattgg	60
gtggctgttt	gttcgcaagc	atcgagatgt	tattgagaag	gggagaaagc	ttgacgtcac	120
tgacctgctt	gctgatcctg	tggtccggat	ccagagaaag	tactataaga	tctccgtggt	180
gctcatgtgc	tttgtgtcc	ccacgtggt	gccctggatc	atctggggag	agagtctgtg	240
gaattcctac	ttcttggcct	ctattctccg	ctataccatc	tcactcaaca	tcagctggct	300
ggtcaacagc	gcccgcacaca	tgtatggaaa	ccggccctat	gacaagcaca	tcagccctcg	360
gcagaaccca	ctcgtcgtc	tgggtgccat	tggtgaaggc	ttccataatt	accatcacac	420
ctttcccttt	gactactctg	cgagtgaatt	tggttaaat	tttaacccaa	ccacctgggt	480
cattgatttc	atgtgctggc	tggggctggc	cactgaccgc	aaacgggcaa	ccaagccgat	540
gatcgaggcc	cggaaggcca	ggactggaga	cagcagtgtc	tgaacttgga	acagccatcc	600
cacatgtctg	ccgttgcaac	ctcggttcat	ggctttggtt	acaatagctc	tcttgtacat	660
tggatcgtgg	gagggggcag	aggggtggga	aggaacgagt	caatgtgggt	tgggaatggt	720
tttgtttatc	tcaaaataat	gttgaaatac	aattatcaat	gaaaaaactt	tcgttttttt	780

ttttgtttgt	tttgtttttg	agacagagtc	tcactctgtc	acccaggctg	gagtgcagtg	840
gcgcagtctc	ggctcactgc	agcctccacc	tacctggttc	aagcaattct	cctgcctcag	900
cctcctgagt	agctgagatt	acaggagcct	gccaccacac	ccagctaatt	tttttgtatt	960
tttagtagag	acagggtttc	atcatgttgg	ccagactggc	ctcgaattcc	tgacctcagg	1020
caatccaccc	gcctcggcct	cccaaagagc	tgggattaca	ggcgtgagcc	accgcaccct	1080
gccgaaaaaa	actttttttt	ttttgagacg	gaggctcgct	ctgtcccca	ggctggagtg	1140
cagtggcgag	atctcagctc	actgcaagct	ccgcctcccg	ggttcacg		1188

<210> 5275
 <211> 2402
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (360)...(1355)
 <223> similar to gi4104634 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5275						
cgcagtcgcc	gagcgagacc	aaacaggtgg	aatccgggct	ggagccggag	ctccggcggc	60
gcgggtggcg	gcacgtccct	ccagacagta	ccacaggcac	ctggagtacc	ggcatcggtc	120
gctgtggccc	ccgagtgtcc	gtcagagcct	aggggagcct	gccctcccg	gcctcgtcgg	180
ggcccggcc	ggcaccttgg	ccgccggcgc	acggacgcgg	gcacgagcac	tagatcacgg	240
ctgctggacc	tcggcacggt	gacaagattt	ctctggggta	ccgcggagga	ttactttgaa	300
tttcgggtgg	cgcctgtggg	ctggcatatt	tagaacttaa	gtctattatt	tcgggaccca	360
tgactttgag	gcttttagaa	gactggtgca	gggggatgga	catgaaccct	cggaaagcgc	420
tattgattgc	cggcatctcc	cagagctgca	gtgtggcaga	aatcgaggag	gctctgcagg	480
ctggttttag	tcccttgggg	gagtacagac	tgcttggga	gatgttcagg	agggatgaga	540
acaggaaagt	agccttagta	gggcttactg	cggagactag	tcacgccctg	gtccctaagg	600
agataccggg	aaaagggggg	atctggagag	tgatctttaa	gccccctgac	ccagataata	660
catttttaag	cagattaaat	gaatttttag	cgggagaggg	catgacagtg	ggtgagttga	720
gcagagctct	tggacatgaa	aatggctcct	tagaccaga	gcagggcatg	atcccgaaa	780
tgtgggcccc	tatgttggca	caggcattag	aggctcttca	gcctgccctg	caatgcttga	840
agtataaaaa	gctgagagtg	ttctcgggca	gggagtctcc	agaaccagga	gaagaagaat	900
ttggacgctg	gatgtttcat	actactcaga	tgataaaggc	gtggcagggtg	ccagatgtag	960
agaagagaag	gcgattgcta	gagagccttc	gaggccagc	acttgatgtt	attcgtgtcc	1020
tcaagataaa	caatccttta	attactgtcg	atgaatgtct	gcaggctctt	gaggaggtat	1080
ttggggttac	agataatcct	agggagttag	aggtcaaata	tctaaccact	taccagaagg	1140
atagggaaaa	gttgtcggct	tatgtactaa	ggctggagcc	tttgttacag	aagctggtag	1200
agagaggagc	aattgagaga	gatgctgtga	atcaggcccg	cctagaccaa	gtcattgctg	1260
gggcagtcca	caaaacaatt	cgagagagc	ttaatctgcc	agaggatggc	ccagcccctg	1320
gtttcttgca	gttattggta	ctaataaagg	attatgaggc	agctgaggag	gaggaggccc	1380
ttctccaggc	aatattggaa	ggtaatttca	cctgagtctc	agggaaccac	gaagggatat	1440
ggcaacgagt	agagcatgaa	ggtagaacag	tctatatact	cttgtgacac	atacaatccc	1500
taccttgtgc	tgccaagtaa	ctcatttttg	tgcaattctc	agtataagcc	ctttgtcggt	1560
tctatgccta	tttaaagtct	cctaaagggtg	taattgacta	ggaaggatgt	agttctacac	1620
tgccatttac	ctatttaaat	tcatccttgt	gaatatcttt	gttggtgttg	ttgagacaga	1680
gtctcgctct	gtcaccagag	ctggagtgca	gtggcgatg	cttggtcac	tgcatcctcc	1740
gccttccagg	tttaagctat	tctcctgcct	cagttgcccg	agtagctggg	actacaggca	1800

tgtgccacca	cgcccagcta	agttttgcat	tatcagtaga	gacgggggtt	caccatgttg	1860
gccaggctag	tttcgaactc	ctgacctcaa	gtgatccacc	tgcttcggcc	tctgaaagtg	1920
ctgggattac	aggcgtgaga	cactgcgccc	agcctcatcc	ctgtgaattt	cttattgtac	1980
acaagttctt	tcactatctg	tgtgcagtgc	tctgagggga	cagacaaggc	ttgggtgtat	2040
atgccaaacca	gatctcattg	aagtatcagc	ttgtttggta	ctaggtgcaa	gtgtagcatg	2100
tcacatgtga	ccatgtttgg	atccattgac	aatttttagg	gtatgtactg	gcctacattt	2160
atgatgaaga	tcctgagcgg	aggttaagat	attaagttat	tttccatatg	aatcagaatt	2220
atattgattc	tgtgcaatca	aaacaaaagg	cagaatagaa	tgctgagatt	ggttaagttt	2280
gcaatgacca	tcttgaacca	cagatttctg	ctatgtgtca	tcaaaacatc	tagttctgag	2340
taacattttc	acgattgtta	taaaattata	ggtgtgaact	tctaaaataa	aggaatgcta	2400
at						2402

<210> 5276
 <211> 3009
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (5)...(521)
 <223> similar to gi63803 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5276	
tttcgtgccg	tgcaagctgc ttatcccaga gagagatcca ttggaggaaa tagcagaaag 60
tttccccag	acggcgacca attcagcagc tgagctgttg aagcaggggg cagcctgcaa 120
tgtgtgttac	ttgaactctg tggagatgga gtccctcacc ggccaccagg cgatccagaa 180
ggccctgagc	atcacccctg tccaggagcc tccacctgtg tccacagtgt tgcaattcaa 240
ggtgtcagcc	cagggcatca ccctgacaga caatcagagg aagctcttct tccggaggca 300
ttaccccgtg	aacagtgtga ttttctgtgc cttggaccca caagacagga agtggatcaa 360
agatggccct	tcctcaaaaag tctttggatt tgtggcccgg aagcagggca gtgccacgga 420
taatgtgtgc	cacctgtttg cagagcatga ccctgagcag cctgccagtg ccattgtcaa 480
cttcgtatca	aaggtcatga ttggttcccc aaagaaggtc tgagaactcc cctccctccc 540
tggacccacc	gatgcctctc gaagccctgg agacagccgt tgggtgaggg tggggccccc 600
actttttacc	aaactagtaa acctgacatt ccaggcccat gaggggaaag aggatcttcc 660
agctctgcaa	aaacaagaac aaacaacatc accgtgaatt ggcctttcct gaaagtgact 720
tatctgacac	atctctgtag ccacatgctt tttgggtaga agaagctggg catgggtgca 780
ccccaccccc	tagggctccc atgggaaagg gacatgcaag gaaacagcac agaacacgag 840
gtggtcccca	tgtccctggc acactagcat tccgggggat gaggaatccc cagcccttga 900
ggcagaggtg	ccgagtgtgc gccatgcttc gcccgctcgc atgggcgctt ctgtccagct 960
gcacccgagg	ccgggggttt ccctcacctc ggtcttccca agatggagat gctaacgaaa 1020
ctgagaaggg	ggcgatatgt tgacgaaggt ttgtgcaagt caggcccttc tggaacacag 1080
cagggcctac	aacgaggggc ctttgcgatg ggtgtgaggg atgggggtgg tgggaagaat 1140
tggccacgtt	agagacccca tgccacccca ccatggtgag tgctctgtgc ctctgtctca 1200
cctgtggtga	gctgggcgag ctgggcgagc tgggcgagct gggctgggga gagcctgtga 1260
ggaccgagag	gagaaatgag aagaaggaac aaaaatatta tttctatgta atttatattt 1320
tacttatgcc	aaattattta tgataatttg ccattgctat actgtaccag tgtcaaatgc 1380
tgcagcctgc	caagctgtga ttttgtgagg cttgtcccta tgtaggatgc accgcaggcc 1440
cctggccact	gaaagagtgt gcagtggact gtgggtctcc catatgcggt gccgccc aaa 1500
ggtggctttg	cctcaagcaa cctaccctga tgttttactc attggaatgt ttttccccga 1560

ttgtgggatg	actcttttct	gatggagaga	gtccaggagg	gatggaaaac	gcctggattt	1620
aagctcagca	tccccacat	gggcttttcg	atcatcttca	ggcctgaagc	tgcacgacct	1680
gaagttcgcc	tgcatttatc	agccctcttt	gtgctgctcc	ttgccacctt	ggggttcctg	1740
ctggggacca	tgtgtggttg	tggcatgtgt	gagcagaagg	gaggatgagg	aaaaagagaa	1800
gaaaccccg	tactgacaag	ctgtttttga	gtgccactgt	ttgccatcat	ctaagccact	1860
gaatcaagt	tatttcaggc	ttatttcaac	attccaatgc	cctgggtttc	ctgcttgaat	1920
ctgttcgtgg	tcaaaggttt	gggggaattt	gtgaccctgg	aacatcccca	gagtgaagaa	1980
tggagctggg	ccacatcaga	ataaggcctt	ggcccatcc	tctcacagcc	taggtgctct	2040
gcaggcatgc	tgactgtcct	gattgcgatc	cagcccga	ttccctcctc	tgctttcaaa	2100
agtcaaatacc	cccattctta	ggccacactg	gtgtcacaag	ctcctgtcag	ggagctgggg	2160
tttgggaatg	tgctttgtga	actctgcttt	aaagtgaggg	gccgaggaaa	acttagaaac	2220
aggcagagtt	ggaagcagcc	aatcacagt	gggtgttgtg	tgtgtgtgcg	tgtgtgcatg	2280
cgtgcgtgta	tgcgtgtgtg	aaagcagggtg	gaccattcca	cttttttagct	cctattgatg	2340
caccaaacca	agtgcctcat	ttctgtgcca	aatgtttgcc	ttggtcgttg	tggacctcct	2400
tctctaactt	gcggtggcat	gactgtcagg	aggtgctggc	attttcagca	gacccctcatg	2460
tggtgacctt	gatgtcttta	gcagaggcct	ctagcatctc	ggtttttcat	ccactgcagg	2520
aatgtggcca	cagggagcag	aggtttgtac	tttccccaag	aggtcctcat	cctgagacgg	2580
tctctacca	tgtttaaccc	aaagagtgc	ggccagggtt	cttatccttc	tgatgaagga	2640
tgagagagct	catttagaag	tcagagcaaa	ctagggtctc	agtattgaga	aacgcagcct	2700
gccagggaat	cacagagaca	tcgggggtgcc	cgcgatggcc	ctcatgaagc	catgcctcga	2760
cggcattcag	gaagccctgc	aaacgtgctt	tttgaactca	ttggccagggt	gtgattttta	2820
cacaaggtaa	acgtggtcaa	gggcatcggt	gaatttgctc	caagcagata	gctccctctg	2880
aggaaccaaa	ggaagcaagt	ttccacgatt	tctgaagagc	tggtatagga	agtttctttc	2940
ttccttttgt	gttacatgtg	cattaaacag	aacaagctgt	gtgtcatcac	agattgtact	3000
gtgggctca						3009

<210> 5277

<211> 873

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)...(618)

<223> similar to gi289622 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5277

gaattcccgg	gtcgacgatt	tccttgacgc	taatgggggt	gtggctggga	ccctggggca	60
gatttatgtt	tagccctcc	cacggagggg	gccgctgtaa	ccccagcttc	ctccccgggc	120
ccccaggcgt	ctctagcgtg	gaggtccagt	ggatcccggc	cctgctgccc	tcttactgcc	180
agtttgacaa	gcccctggag	gaaccagccc	ctacatactg	ccccgagcgg	gggagggtgc	240
tgtgtcaccg	ggccagcgtg	ttctatcgcg	ttggctaggc	gctccccgcc	atcgagggtg	300
attttccaga	ggggattgac	cgctacaagc	actttggccc	gttcctgctg	gaagggcagg	360
tcttcgcaa	gctggcctca	taccggagct	gtctgctgtc	cagccccggc	accatgctga	420
agacgtgggc	caggctgcag	ccccgtacgg	agagccttct	gcgagccctg	gttgagagaa	480
aggctgactg	ccatgaagcc	ttgctggctg	cttggaagaa	aaaccccaaa	tacctgctgg	540
ctgagtactg	tgagtggctt	ccacaggcca	tgcaccccca	tatcgagaaa	gcctggcccc	600
ccaccactgt	ccactgacca	gaaacctggc	tgcaggggcg	aggactgggt	tggggactgg	660
agggctggca	gcagctggtc	accgtgacac	cgtgaccacc	tggcatgggc	ttcgtggcct	720

gctctcagga	agtgggtcaa	gccctgggaa	ccctcatcca	tgagagctcg	atcccgatatg	780
aaggggtgctg	ccgcccgtgc	catctggccc	gggggtgact	ttttgaactg	tttattatat	840
ggtggatgat	gatttcatct	cacgtgctgg	aaa			873

<210> 5278
 <211> 1489
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(497)
 <223> similar to gi3930525 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5278						
tttcgtaaag	tggagtgcac	ccccagccgg	gagcacctga	agcaccagac	cgtctaccgc	60
ctgctcaagt	gcgcgcccag	gggcaagaac	ggcttcaccc	ctctgcacat	ggctgtggac	120
aaggacacca	caaacgtggg	ccgctatccc	gtgggcagat	tccctccct	gcacgtggtc	180
aaagtgtctg	tgcactgcgg	ggccgacccg	gacagcaggg	attttgacaa	caacaccccg	240
ctacacatag	cagcccagaa	caactgcccg	gccatcatga	atgccctgat	cgaagcaggg	300
gcccacatgg	acgccaccaa	tgcccttcaag	aagacggcct	acgagctgct	ggacgagaag	360
ctgctggcca	ggggtaccat	gcagcccttc	aactacgtga	ccctgcagtg	ccttgccggc	420
cgggccctgg	ataagaacaa	gatcccttac	aagggttca	tcccggaaga	tctggaggcg	480
ttcatcgaac	tgcactgacc	tgcccagaac	gcctgcaccc	tcacctctcc	cctctcctgc	540
tgagatgggg	gaaatccggc	tgccggcatag	cagatgctcg	ttcttgccctc	cttcaggcac	600
caatcaggag	aagggttctg	cctcccatcc	cctctacctg	cagacagggt	cggagggtgtt	660
agcgagcctt	tgggtgctaga	agcctgcggg	gtcatgtgct	aagaggacag	tctttctccg	720
ggagcccgtc	cactcattct	gagttaggaa	aagacacaag	accttcccca	catcctgtct	780
gcctgggtta	gggaggcctt	tgcccttgta	cctagaggcg	gagggactga	agccattgcg	840
ttccttccct	gctagaaaca	caggaagaag	ttgaggacgg	tctgccttcc	ctcgtccctt	900
tacctggcca	gataactcca	gccgtgaat	acagtgttag	gactgggggc	tcctgagatg	960
agagtttgag	attcaggga	tgagaccacc	tctcatttct	tccagcatga	tcgcgccttg	1020
ctcccgtgcc	accgtagtcc	ctggcagaca	ggcagggtc	tgcccagggc	agcctgccac	1080
ttgcatagct	ttcggttgg	ttgggtgttct	gtttatttaa	taagtgggca	ggttgcaagc	1140
gttgcacaga	aattctgaga	ttttactgcc	ttttttttt	tttaaaaaa	gtggttgggg	1200
ggccccctta	aggggaattt	caaccgggg	ggattttggg	ggccctgaaa	gggcccaggc	1260
cccagggagg	gacctgtttg	tgtgaggaat	ttggggagcg	agaaaaaagc	ccacggggtc	1320
accccttaaa	acagggggga	ccggcctttt	ttatactttt	ccacttttagg	gcttttaaca	1380
ggttttccga	ttttacaggc	ttttccaggt	ttcctttttc	tttagagaaa	agacggggct	1440
tccaaacaag	attcggggag	gcccccaagg	cctgaaacct	ctttgcccg		1489

<210> 5279
 <211> 1614
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1011)...(525)
 <223> similar to gi3916727 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5279

caaaactttt	tttgggtttt	ttgtttgttc	attcaacaag	tgttttattga	gcatctacta	60
catgccagac	actattctag	aaacctggga	aaggagggtg	tagggtagct	tggagctgtc	120
ccagctgtag	ctctgtctcc	cagaagtgag	gtctgcaggg	gaacagggtc	tgggggtcct	180
cctgcctggg	agagggaagg	ctgagtgtat	aaaaagggtg	aagcctctaa	aaatgagaag	240
gctgggtgtg	tgggactcat	gctggtgcct	tcccagacga	aggagagggc	ccagaggagg	300
cagcttcctg	gagcagagac	ggcagcagga	gcgcccgtgc	ccggcatcac	ctcctcttca	360
gcacggatat	gcaggacttc	ttgaggggcc	cgatctgcaa	gtgggcgtcc	acactctcca	420
ggaagaaggc	aggcttgagt	ctgtgggtga	agagccccgc	aaagtgactg	tccaggcggc	480
tctggaagg	gtcaatgggg	gaggccggga	tgccaccccg	gcggggccgg	gaggccttca	540
gcctccgcag	gaggctcatc	ttgccgtccc	gtacagcata	gaaggccaag	gcacggtcag	600
cgtattccag	gcagacccca	accgtgggcg	agaaggggtg	gggcagggga	gcctccagcc	660
catgaaacca	gacggagaag	ctgcgtccat	tccactgcag	gcagcaggag	tgggcgttgc	720
ggcccagccg	gccgcgggtc	tagggctcct	gtggggagaa	gtcttcggcc	atgaccccca	780
tgctgaccca	gccctcgata	atctccacct	cccagtagta	ggtgcctcgg	tccagggcac	840
cctcgcccag	cacctgctca	caatgggtga	agcgggtggg	cgacaagggg	tagttgatag	900
gacacagcac	cctcttgaca	ccttttggtc	caaacagctg	caggaacttg	tctgctgtgt	960
cgctgtccaa	atccacaata	taggcaaact	tgaggaaata	gtccctggga	gcttcaactc	1020
ccaagagggt	cgtactctcg	aggtcttggg	gctcagcatc	agcttccgag	tccagcttct	1080
gtggcccac	ctcgttgcca	cccgcccccc	tcagctgctc	ccactggttg	acgcaggcca	1140
cggccagcat	gtctctcact	gcacggacag	cttgggatga	tttgggtgaag	ctgagctccc	1200
tcgggggtcc	aggcccaggg	ccacacccat	cctccagggc	cagccttagt	gccagcagct	1260
cctgtgccag	acaaatgccc	attaaagtgc	tgctggccat	ggctcctcct	tgctgggggt	1320
ggaggcagct	ctgccaggaa	gtcatgcacc	cactgcctcc	tcctccctcc	accccacctg	1380
tcccagcttc	tgttccttcc	gtggccccca	gagcggcctt	cacctgcagg	aagctgactg	1440
agtcagcttc	agggacctgg	ctgagattct	ggcgggctcg	gctcaggcgg	ctgcgctggt	1500
cctcctgtcg	ccgcagggtc	ccctgggagc	ggcctagcat	ggcagaatcc	ccctcctcga	1560
tgaagcccag	cacctgggtc	tggaagccct	gacgaaatcg	tcgacccggg	aatt	1614

<210> 5280
 <211> 2157
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2114)...(1712)
 <223> similar to gi4929585 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5280
ttgagatgga tcagaacttt gtaattatat tcaggaggag ttctgtctat tcattcatca 60
tgacatgtgt agtatcatgt gctttttttt ttaaaattta ggtttaatac attttcaatc 120
agcctatgca catggaatat gcgccattta gaaccgtgga attctgggcc cagctggact 180
cagccagcac agagcaaaca ctgttagtaa tgatttgaac acttttttga atactcggta 240
tatctcactt cccgtggcat gatgaaaaca aacatttatt gaacacgaac tatgtgctag 300
atgtaccctt tgtctttatg ttgcttatgg tctggggagg aaagagacgc taaacaagta 360
accacaagtt tataagtttt acaaaagggg cagatgatat gccacagaga tgcagaacag 420
aggggtccga gtctagttta gggaatcagg ggaaggcatc tctgcataag gaatatttga 480
gctgagatcc agaggatgag aggaagttag agcaggatgc agggagcagt acatgtgtgg 540
gcttcccttg aacttaggaa gaaagggtgt ttaatgggca gcaggaagta ctaagctcca 600
cctctctact gtgaactggg gcttgcccca tccacactgt ggatctcgac tcctcatttg 660
tcatgagtgg ttggctgaga gggcctgtgc tgacctggac tctgggctgg gtctagcggg 720
caaacgccac actaaaagga gaaggagtgc tgggtaggca ggcaaccctc aggactccct 780
tctctcaggc atcacacagg ctgttgcgaa ttcagcacca ccagtgatca gagcaatttt 840
aaacatcatc cccaccggta atttttactc gtttctttat taatatagaa aaggagccca 900
gggcagctgg accagtagta caaagcacca ggagttaata ccattctggg gaaggggatg 960
gttttacaaa agtgaaggag caggcaggag ccaccagggt ctgaggccag gccagcccta 1020
ctgcccagaa cccctgaaac ggctccctgg gaaaaagctg acagatgggt caggggtgga 1080
ttgagctgga aacctgagg acagatggca gggatagagg gtcatgcagt gggaaccacc 1140
cagtggctga taaggacagg gaacttgtgg ctggaggctc cccattgggc catgggcagg 1200
ggcttgacga tggcctcagc tctgggggca ggtagagaaa ctgcagagac tgatgggcat 1260
ggagaaccca gacatggccc tggggctgaa gggcctttcc accctctctt caccaggagc 1320
cacctttgct ctatactaca tatggggctt cagggcccaa ggcacagggg aggctcagag 1380
gcctccagtt gggaggaaga tggggcaagg aaggaagcac ttgagtgtcc ctagcttagg 1440
cagccgggga tgagacacag gcaggacaac agcacccccg catagtgggg ctagaatgtg 1500
ggacagggac gggcttatcc tcggccagtg actaggacca gccccatggc aatgggtgcct 1560
gtctccagcc ttagcaaata aagtgtgcaa caagcacagg gtgtcggcag acctgggctc 1620
tagccttaca agctctgcca gaacttgaat cacacagagc tgtatcacca tgggtccagcc 1680
atgtcctgcc ttggcctgtt tcctcctctg tcaatgagga tcatgctggg gatccccatg 1740
gtctcccgcc atgtctctat cgatgtcaca aactcatcct cagccccctc cgggtccctt 1800
gggaatgctg gccttgagct tcgcccgaag ccaaacagat cgaagggtgt cagtgtgcgg 1860
cgggcactca gtgagtccat gttgaggatc cagagaccca cgccgcccc aaaaccatgc 1920
accatcacca agggggtgcg gtcggtttgc tcggggctca cagtcaccgt ccagatctta 1980
ttttggtttg ggagggatac atatctggcc aggaacttat tctggagaca ctggaggatc 2040
ctggcttcca cattcttcag ctgagacatg taagtggggc gccacgtaaa cagccagcta 2100
ctcagccagc cttgagcctg ctgctccaga tcatgcgaaa tcgtcgacca ggggatt 2157

```

```

<210> 5281
<211> 1691
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (7)...(798)
<223> similar to gi558671 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```
<400> 5281
```



```

tttcgttcca tcatctccgt gctgccttgg aagagaatcg tggccgtgtc ggccaagaag 60
aagaactcca agaaggtgca gcccaacagc agctaccaga acaacatcac gcacctcaac 120
aatgagaacc tgaagaagtc gctgtcgtgc gccaacctgt ccacattcgc ccagccccc 180
ccggcccagc cgctgcacc cccggccagc cagctctcgg gttcccagac cggggggtcc 240
tcctcagtc aaaaagcccc tcacctgcc gtcacctccg cagggacgcc caaacgggtc 300
atcgteccagg cgtccaccag tgagctgctt cgctgcctgg gtgagtttct ctgccgccgg 360
tgctaccgcc tgaagcacct gtccccacag gaccccggtg tctggctgcg cagcgtggac 420
cgctcgctgc ttctgcaggg ctggcaggac cagggttca tcacgccggc caacgtggtc 480
ttcctctaca tgctctgcag ggatgttatc tcctccgagg tgggctcggg tcacgagctc 540
caggccgtcc tgctgacatg cctgtacctc tcctactcct acatgggcaa cgagatctcc 600
taccgcgtca agccttccct ggtggagagc tgcaaggagg ccttttgga ccgttgctc 660
tctgtcatca acctcatgag ctcaaagatg ctgcagataa atgccgacc aactacttc 720
acacaggtct tctccgacct gaagaacgag agcggccagg aggacaagaa gcggctcctc 780
ctaggcctgg atcggtgagc actgtttcct gcgtcatggc tcaaggattc aatgcatttt 840
taagaattta ttattaaatc agttttgtgt acagtatgtg tctagcaaag ccaccaaggg 900
cctcaccttt cccacagtct ctccctgggg tttttttcat ccctgccaaag aactctgggc 960
acttttgaac tcacgagcct tgcgcaaaac ccagaagatg tattcagagc caccagggc 1020
actgacctcc cactttgggg aactcaaagg actgacctgc ccctgccgcc tgtgcccttg 1080
ctgggtccag ggtaggcaag gctgccggct gcacctgta tggagctaga gaggggctc 1140
tggctgcctg gccaggagg gaattggggg ttctggttgg aggccctttt ctggctcctg 1200
tgtggagtta ttcactctcc cagaggctcc tggagccagc caccctaact gagctgccag 1260
tggggtcgtg aggcaagatc cccgccacc ggggacatct tcaatctagg cgaggcgaag 1320
ctgagcgggt ctagtggaaa gattgtgtct ggtcgttga ccacacaccg ccctgatttg 1380
ctgatttctt tttttaggga gaagggtctt tcttttagtg agaaatggaa ctgccccccc 1440
taccctcttg tctgtctctc ccagccacgt tgggtggtatt ggccgatgag ctggtttgac 1500
tcattaattt ctctcaattt ggggtcccagc taaagagggt ggggtgaagct ggggacagct 1560
ttcctgggtg agtttttctt ttgaataatg tagtgagtc accctgtggg caaatgccag 1620
ggacagctgc aggtgcccat tagcaacgcc tgccttctgg gcaagggtgag ggatgccata 1680
ccttgagacc a 1691

```

```

<210> 5282
<211> 2593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (457)...(1154)
<223> similar to gi4587558 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5282
ggcccggaat tcctcgggtc gacgatttct tggagagtcg ggggtcacca ggcctatcct 60
tggcgccaca gtcggccacc ggggtcgcgc gccgtcatgg agagcggagg gcggccctcg 120
ctgtgccagt tcactctcct gggcaccacc tctgtggtca ccgccgccct gtactccgtg 180
taccggcaga agggccgggt ctcccaagag ctcaaggagg ctaaaaaagt tcattttgggt 240
gaagatttaa agagtattct ttcagaagct ccaggaaaat gcgtgcctta tgctgttata 300
gaaggagctg tgcggtctgt taaagaaacg cttaacagcc agtttgtgga aaactgcaag 360
ggggtaattc agcggctgac acttcaggag cacaagatgg tgtggaatcg aaccaccac 420
ctttggaatg attgctcaaa gatcattcat cagaggacca acacagtgcc ctttgacctg 480

```

gtgccccacg	aggatggcgt	ggatgtggct	gtgcgagtg	tgaagccct	ggactcagt	540
gatctgggtc	tagagactgt	gtatgagaag	ttccaccct	cgattcagtc	cttcaccgat	600
gtcatcggcc	actacatcag	cggtagcg	cccaaaggca	tccaagagac	cgaggagatg	660
ctgaaggtgg	gggccaccct	cacaggggtt	ggcgaactgg	tcctggacaa	caactctgtc	720
cgctgcagc	cgcccaaca	aggcatgcag	tactatctaa	gcagccagga	cttcgacagc	780
ctgctgcaga	ggcaggagtc	gagcgtcagg	ctctggaagg	tgctggcgct	ggtttttggc	840
tttgccacat	gtgccaccct	cttcttcatt	ctccggaagc	agtatctgca	gcggcaggag	900
cgcttgcgcc	tcaagcagat	gcaggaggag	ttccaggagc	atgaggccca	gctgctgagc	960
cgagccaagc	ctgaggacag	ggagagtctg	aagagcgct	gtgtagtg	tctgagcagc	1020
ttcaagtcc	gcgtctttct	ggagtgtggg	cacgtttgtt	cctgcaccga	gtgctaccgc	1080
gccttgccag	agcccaagaa	gtgccctatc	tgcagacagg	cgatcaccgc	ggtgataccc	1140
ctgtacaaca	gctaatagtt	tggaagccgc	acagcttgac	ctggaagcac	ccctgcccc	1200
ttttcagga	tttttatctc	gaggcctttg	gaggagcagt	ggtgggggta	gctgtcacct	1260
ccaggtatga	ttgagggagg	aattgggtag	aaactctcca	gacctatgcc	tccaatggca	1320
ggatgtcgcc	tttccacct	gagaggggac	cctgtccatg	tgcagcctca	tcagagcctc	1380
accctgggag	gatgcctgg	cgtctcctcc	caggagccag	atcagtgcga	gtgtgactga	1440
aaatgcctca	tcacttaagc	accaaagcca	gtgatcagca	gctcttctgt	tcctgtgtct	1500
tctgtttttt	tctggtgaat	cgttgcttgc	tgtggacttg	gtggaggact	cagaggggag	1560
gaaaggctgg	gccccgagta	caacggatgc	cttgggtgct	gcctccgaag	agactctgcc	1620
gcagcttttc	ttctttttcc	tcatgccccg	ggaaacagtc	tttcttcaga	attgtcaggc	1680
tgggcaggtc	aacttgtgtt	cctttccct	cacctgcttg	cctccttaac	gcctgcacgt	1740
gtgtgtagag	gacaaaagaa	agtgaagtca	gcacatccgc	ttctgcccag	atggtcgggg	1800
ccccgggcaa	cagattgaag	agagatcatg	tgaagggcag	ttggtcaggc	aggcctcctg	1860
gtttcgccac	tggccctgat	ttgaactcct	gccacttggg	agagctcggg	gtggtccctg	1920
gttttccctc	ctggagaatg	aggcgcagag	gcctcgctc	ctgaaggacg	cagtgtggat	1980
gccactggcc	tagtgtcctg	gcctcacagc	ttccttgcaa	ggctgtcaca	aggaaaagca	2040
gccggctggc	accctgagca	tatgccctct	tggggctccc	tcattccagcc	cgtcgcagct	2100
ttgacatctt	ggtgtactca	tgtcgcttct	ccttgtgtta	ccccctcca	gtattaccat	2160
ttgccctca	cctgcccttg	gtgagccttt	tagtgcaaga	cagatggggc	tgttttcccc	2220
cacctctgag	tagttggagg	tcacatacac	agctcttttt	ttattgccct	tttctgcctc	2280
tgaatgttca	tctctcgctc	tcctttgtgc	aggcgaggaa	ggggtgccct	caggggccga	2340
cactagatga	atgcagtgtc	cagtgtgaac	agcagaaatt	aaacatgttg	caacccaaaa	2400
aaaaaaaag	gggggcgctt	tcaaaggggc	caggtttttc	taccgggggc	ggggagtga	2460
aaaccttttt	taagggggcc	caaaattcaa	taccggggcc	cgggttataa	cgctttggat	2520
gggaaacccc	tggggttcca	aaactaatcc	tcttaaaaaa	aaaggaatca	agtttctcgt	2580
atggtctctt	aaa					2593

```
<210> 5283
<211> 1139
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1)...(1140)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (976)...(503)
<223> similar to gi2447128 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

```

<400> 5283
acgatttcgt gtttctgcca gttacactta attttgacat atcagtcagt ctggtgccgg      60
aagaacttct tagttctctt tttgatgatc ctgggcttca caaggggtct gaggggtggcc      120
atgatgctga ggaggagatg gctgccacct ccgtaggcag cgccgagaga ggggcttttt      180
gttttttgag acttcaattt aaattttact tnnnnnnnnn nnncttacia aatacaaaagt      240
aaaaagaatg agaacaaaat aaattttcag atacccaaaa attgaaagag ttcataccaa      300
aagacttcac taaatgaaca ctgaaagacg accttcagaa aaaaacaaaa tgatcctgga      360
cagtagtgta aagatataga aagatgaggg catgcaggta ggtaggtgcc aaattatgta      420
agtccagcat gccaaagccaa ggaatcagag gctccacagg gatctaagga ggttctggaa      480
ggtttccatt gtagtccaca tcttctatgc tacaacccca tttacaaga agttgcaagc      540
agccaagccg cccatgaaaa gctgcataat gcacaggctc ccattctctc ttatcagtca      600
cactgggata cactccactt cggagcatta tttgtaaagt gaaagaatgt ccatgagttg      660
cagcaagatg taaaggagtg catccccggg catcctgggc tgtcagattt gctccattca      720
ttataagagc ctgtacacaa gcatcctgac ccctgattgc agctatgtga gatgctgtcc      780
aacctctcgt tgttacgtgt gtgatatcag ctccatgcc a gagcagccaa tgaagacact      840
ccaaacttcc agaatgtgct gcccaatgta aaggggtaaa cttatggaga acatcaagtt      900
cattaatgct ggctccacgt accactattt ctgaaagctg ctttacatct ccagctcgta      960
ctgcatcatg tatgctgcca aaatgcacct tcttctgga acaggggtgt gcagtctcac     1020
tagagaaagt ggaggggcct gaattgcca cccgggcat ggcgcaacac ctccgactct     1080
ggggaggagtg tgagtccagg cccctgatgc tgcggcggtc ttccgttgcc gaattcacc     1139

```

```

<210> 5284
<211> 2035
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (735)...(1156)
<223> similar to gi30474 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5284
tttttttttt ttagctttgt cagtccttta ttctctctag aggaggggct cagtatatca      60
cagcagtggc tgatgtcggg tgcttgccac agctcagcac tgctctaata actcactcta     120
accacaccaa gccttgctga gacctctgag caatcccacc aggagatata gtgagggtcca     180
gccactcagg ccacacagcg aacaggaggc agggctggta tgggtgcagg tgccaacccc     240
gactgtgcgg cctctcggct aagcacctgt gcagtgactg agtgggctcg caaacagagg     300
gctctgcagg tggagcacc caggcaagtc cccaccatca gcccattct gcaggcgcg     360
ccccggggcc agggatggga gggctctgcc gggcatccag cgaggagact gcatattccc     420
tgcccaatct ggcttcacgg cggcggaact gacgccacgt cccagggcgt tcggggctgc     480
caggcctggt gagcaccgcg gacatctcag atggcggttc tgcaggttga ggccctcggt     540
gccagcgtcc ccgtgggcag ttctgtggct tccctggccc atgtcgtcct cttggcagtg     600
gccacatcac agcaccaggt gggatcaaag gggagggcag ctccccaggt ggacctgagc     660
ttctcacact ctgacaagcc ctgcctgct gatccaagac acagtggcct ttgaaattcg     720
atttccttcc ccaggggggc ttcgggatcc tggaggagat gtgtgtcaac tacgtgcact     780
actaccccc aacgcagctg gagctctgca agagcgctgt ggacgcgggc ttctgcaga     840

```



```

cagtgtcgga tgaagccatc acccagacca tgggccgctg ctgggatgag aaccagtact 1080
tgctgtgccc ccactcagcg gtggccgtga actaccatta ccagcagata gacaggcagc 1140
agcccaggta caggcaatgg gggcctgggc cactgaggga ccatttgaat ttcagggggc 1200
ctcttcttct ccaagcagtg ggagagacag gactacgaaa aaatggctgt aatggagtgt 1260
gatgggtgct gtgtggaact gtgccttgga aactgtgggc ccagaagagg gagcgtgaca 1320
gatatccagc ggacagccat ggtcagaggt ggtggctgag ctggcctcca accaggagga 1380
gcagtttgcc aggtagcgtc attgtagcaa taagttcaag gtgccaatgt tctgtctgtg 1440
tctctgtcct ccataccccc ccatccctaa acttcctctg tttcttattc ctcctccacc 1500
ttctcctttc ccatctctct attctctcat tggcctccgg ctgccacctg ccccatccc 1560

```

<210> 5286

<211> 845

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (776)...(390)

<223> similar to gi458230 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5286

```

ctggaaaata cataaaaaaca tatgtatcac cagtaaata atcagtaaag tacaatataa 60
cacaaaagaa aaagaaatat tgcttgattt tttccaataa aagcaagggt aataaaaaaca 120
tttttagtaa gaaaatctat catttttatt ttaaaaatct ttcaatttta aacatcatta 180
ccaacacatt aaaagtatta tcaataagtg cctttacaat ttcaagcaaa agctactgtg 240
ttttccttat tggaaatact gctttcagtc atcttttttg tctgaggtag tctcttcatg 300
cttttcaggc ctgactttat tactggcggg ggaggggggt gtctggactt cttttggtaa 360
tgaaaacaca tggcacgtct ggaggtctag gtatgttgta aatatcttag catattctgg 420
atgctttaag gcaaaacttt taaattcctc ataggaaatt gagtcccctt gggctatttc 480
cttgaagaga ccagaaacat caaggtcagg cactccaagg gaagcctgta gaatggtgga 540
gaactcttcc tccgttatgt agccatcctc atcaacgtca aacagcttaa atgccacctg 600
gatgatctcc tctgtgttg aagggttgca caagacagcc aggccaatca catactctcg 660
gaagtcaatg ctgccatcat ggttcctgtc aaagagtgc aaaagttgtc tcaagacatc 720
tgaaacaggc aactttaaat acttggcgaa ttcttcaatt ccaattcttc ctccttttga 780
ggaactcgca atagatgcat attcatccaa atgcttacga acaccatccc aatctaattt 840
caatt 845

```

<210> 5287

<211> 1973

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(1829)

<223> similar to gi2988397 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5287

gaaaggctaa	ccggtggttt	ggggttgctc	cccctaaatc	tggaaaaatg	aacatgaaca	60
tccttcacca	ggaagagctc	atcgctcaga	agaaacggga	aattgaagcc	aaaatggaac	120
agaaagccaa	gcagaatcag	gtggccagcc	ctcagccccc	acatcctggc	gaaatcacaa	180
atgcacacaa	ctcttcctgc	atttccaaca	agtttgccaa	cgatggtagc	ttcttgtagc	240
agtttctgaa	cgctgggaag	aggtccctgc	tcacagcag	gcggacaggc	ctggggctgg	300
ccagcctgcc	gggcccgtgt	aagagctact	cccacgcca	gcagctgccc	gtggcgacc	360
gcccagtggt	cttccagtc	cctgacgag	acgaggagga	ggactatgag	cagtggctgg	420
agatcaaaagt	ttcaccccca	gagggagccg	agactcgga	agtgatagag	aaattggccc	480
gctttgtggc	agaaggaggc	cccaggttag	aaaaagtagc	tatggaggac	tacaaggata	540
accagcatt	tgcatttttg	cacgataaga	atagggggga	attcctctac	tacaggaaga	600
aggtggctga	gataagaaag	gaagcacaga	agtcgcaggc	agcctctcag	aaagtttcac	660
ccccagagga	cgaagaggtc	aagaaccttg	cagaaaagtt	ggccagggtt	atagcggaag	720
gggggtccga	ggtggaaacc	attgccctcc	agaacaaccg	tgagaaccag	gcattcagct	780
ttctgtatga	gcccataatg	caaggggtaca	agtactaccg	acagaagctg	gaggagttcc	840
ggaaagccaa	ggccagctcc	acaggcagct	tcacagcacc	tgatcccggc	ctgaagcgca	900
agtcccctcc	tgaggccctg	tcagggtcct	tacccccagc	caccacctgc	cccgcctcgt	960
ccacgcctgc	gcccactatc	atccctgctc	cagctgcccc	cggaagcca	gcctccgcag	1020
ccaccgtgaa	gaggaagcgg	aagagccggt	gggggcctga	agaggataag	gtagagctcc	1080
cacctgctga	actggtgcag	agggacgtgg	atgcctctcc	ctgcctctg	tcagttcagg	1140
acctcaagg	gctcggctat	gagaagggga	agcctgtggg	tctagtgggc	gtcacagagc	1200
tttcagacgc	ccagaagaag	cagctgaagg	agcagcagga	gatgcagcag	atgtacgaca	1260
tgatcatgca	gcacaagcgg	gccatgcagg	acatgcagct	gctgtgggag	aaggcagtc	1320
aacagcacca	gcacggctat	gacagtgatg	aggaggtgga	cagcgagctg	ggcacctggg	1380
agcaccagct	gcggcgcatg	gagatggata	agaccaggga	atgggcccag	cagctgacaa	1440
agatgggccc	gggcaagcac	ttcatcgag	acttcctgcc	tccagacgag	ctggaaaagt	1500
ttatggagac	cttcaaggcc	ctgaaggagg	gccgtgagcc	tgactactca	gagtacaagg	1560
agttcaagct	gactgtggag	aacatcggtc	accagatgct	gatgaagatg	ggctggaagg	1620
agggcgagg	gctgggctca	gagggccagg	gcacaaagaa	cccagtgaac	aagggcacca	1680
ccacagtgga	cggcgtggc	ttcggcattg	accggccggc	ggagctctcc	aaggaggacg	1740
acgagtatga	ggcgttccgc	aagaggatga	tgctggccta	ccgcttccgg	cccaaccccc	1800
tgaacaatcc	cagacggcct	tactactgag	tgttctggaa	atacatactt	tctgaatgac	1860
caaccgtccc	tggactgtgg	aatgttccgg	cctgcatttc	tgccaccccc	ttccgttgtc	1920
acgagtgccg	tgccgtgtaa	taaagtccca	gtgctcatcc	accacaaaaa	aaa	1973

<210> 5288

<211> 684

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (207)...(402)

<223> similar to gi5630082 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5288
tttcgtggcg gaaaggatgg cgctgtgaca gccggggccgg agccctcgcg tccccacccc 60
gcgccctggc cgctgggccc ggcgagatgg agtccacagc ctaccctctc aatttgagcc 120
tgaaagaaga ggaagaggaa gaagagattc agagccggga actagaggac ggcccggcag 180
acatgcagaa agtacgaatc tgctctgagg gcggatgggt accggcccta tttgatgagg 240
tggccatata tttttccgat gaggaatggg aagttttgac ggagcaacaa aaggccctct 300
accgggaagt catgaggatg aattatgaaa ctgtcctgtc cctggaattc ccattcccta 360
agccagacat gatcaccctg ttggaagggg aggaggagtc tcagaattct gacgagtggc 420
agctccaagg aggcacctct gcagaaaatg aagaatctga cgtaaagcct ccagactggc 480
caaacccaat gaatgtacc tcccagtttc ctcagcctca gcactttgac agctttggcc 540
tccgtctgcc tcgggatata acagagctgc ccgagtggag tgaggggtac ccttctacat 600
ggccatggct tcccagggta tgacctctcg gctgatgaca tagctgggaa gtttcagttc 660
agccggggcat gcgcgcagtt acga 684

```

```

<210> 5289
<211> 4583
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1598)
<223> similar to gi505102 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5289
cgcgtgtcta cgcggacgca ccggctaagc tgcttctgcc gccgccggcc gcctgggacc 60
ttgcggtgag gctgcgcggg gccgaggccg cctccgagcg ccagggttat tcagtcacca 120
tgaagctgct gctgctgcac ccggccttcc agagctgcct cctgctgacc ctgcttggt 180
tatggagaac caccctgag gctcacgctt catccccggg tgcaccagct atcagcgctg 240
cctccttctt gcaggatcta atacatcggt atggtgaggg tgacagcctc actctgcagc 300
agctgaaggc cctgctcaac cacctggatg tgggagtggg ccggggtaat gtcaccagc 360
acgtgcaagg acacaggaac ctctccacgt gcttttagttc tggagacctc ttcactgcc 420
acaatttcag cgagcagtcg cggattggga gcagcgagct ccaggagttc tgccccacca 480
tctccagca gctggattcc cgggcctgca cctcggagaa ccaggaaaac gaggagaatg 540
agcagcggga ggagggggcg ccaagcgctg ttgaagtgtg gggatacggg ctccctctgtg 600
tgaccgtcat ctccctctgc tccctcctgg gggccagcgt ggtgcccttc atgaagaaga 660
ccttttaca gaggtgctg ctctacttca tagctctggc gatttgaacc ctctactcca 720
acgccctctt ccagctcatc ccggaggcat ttggtttcaa ccctctggaa gattattatg 780
tctccaagtc tgcaagtgtg tttgggggct tttatctttt ctttttcaca gagaagatct 840
tgaagattct tcttaagcag aaaaatgagc atcatcatgg acacagccat tatgcctctg 900
agtcgcttcc ctccaagaag gaccaggagg aggggtgat ggagaagctg cagaaggggg 960
acctggacca catgattcct cagcactgca gcagtgaagt ggacggcaag gcgccatgg 1020
tggaacgaga ggtcattgtg ggctcgctct ctgtgcagga cctgcaggct tcccagagt 1080
cttgctactg gctgaaaggt gtccgctact ctgatatcgg cactctggcc tggatgatca 1140
ctctgagcga cggcctccac aatttcactg atggcctggc catcggtgct tccttactg 1200
tgtcagtttt ccaaggcatc agcacctcgg tggccatcct ctgtgaggag tccccacatg 1260
agctaggaga ctttgtcatc ctgctcaacg ctgggatgag catccaacaa gctctcttct 1320

```

tcaacttcct	ttctgcctgc	tgctgctacc	tgggtctggc	ctttggcatc	ctggccggca	1380
gccacttctc	tgccaactgg	atTTTTgcgc	tagctggagg	aatgttcttg	tatatTTtctc	1440
tggctgatat	gttccctgag	atgaatgagg	tctgtcaaga	ggatgaaagg	aagggcagca	1500
tcttgattcc	atTTatcatc	cagaacctgg	gcctcctgac	tggattcacc	atcatggtgg	1560
tcctcaccat	gtattcagga	cagatccaga	ttgggtaggg	ctctgccaaag	agcctgtggg	1620
actggaagtc	gggccctggg	ctgcccgcac	gccagcccga	ggacttacca	tccacaatgc	1680
accacggaag	aggccgttct	atgaaaaact	gacacagact	gtattcctgc	attcaaagt	1740
cagccgtttg	taaaatgctg	tatcctagga	ataagctgcc	ctggtaacca	gtctctagct	1800
agtgcctctt	gccctctcct	cacctccttt	tctctcagtg	actctggaac	ctgaatgcag	1860
cttacaagac	aagcctgact	TTTTtctctg	attaccttgg	cctcctcttg	gaaccagtgc	1920
tgaaggtttt	tgaatccttt	acccaacaat	gcaaaaatag	agccaatggt	tataacttgg	1980
ctagaaatat	caagagtTga	atccatagt	tggggcccat	gactctagct	gggcaccttg	2040
gacctccagc	tggccaatag	aagagacagg	agacaggaag	ccttcccatt	TTTTcaaagt	2100
ctgttttaatt	gcctattact	tctctcaaaag	agaacctgaa	gtcagaacac	atgagcaggg	2160
tgagaggtga	ggcaaggTtc	atcctgaatg	ggagaggaag	tcgaaccact	gctgtgtgtc	2220
ttgtcaggat	gctcacttgt	tcctactgag	atgctggata	ttgattttgt	aacagcacct	2280
ggtgtttcac	ggctgtccga	gtgagctaac	gtggcggtgt	ggctgcctgg	acctcctctt	2340
tcaggTTaac	gctgacagaa	tggaggctca	ggctgtctgc	aagaaaacag	ttggtttggc	2400
tgtgattttg	acctcctctt	ccccactgcc	atcttctaag	agactttgta	gctgcctcct	2460
agaagcacat	tctgagcaca	tttgagacct	ctgtgttaga	ggggagactg	cacaaactat	2520
cctccccag	gttgagacgt	ctgcagagt	gcaagctgac	ttgtagaaat	ggggtgccat	2580
ttatgctcta	cttagacaag	ggtaatcaga	aatggaatca	gtgcaggcaa	aatttaggat	2640
ttgccgcttc	cataaatcaa	agcatgacta	atagggggtc	tctgaaatgt	aagggcacaa	2700
acttcactta	gggcatcgca	gatgtttgca	gaatggttgg	cctaattgatt	atgctacaga	2760
tgggttttaa	atgacccgtc	taggttactg	cttccttgca	aaaaaagtcg	aatcctgcat	2820
tgaattgaat	atgaatttct	ctaactctct	ccagaaaatg	gatggagata	acttgtcttt	2880
aaaactgtag	gccagcctta	gccactgtgg	agcccttgcc	tccgagctct	ggcttcaagg	2940
ggagctcttc	tccaggttca	ctaggtgaat	tgatttatta	ttatcatatt	gataatgtga	3000
gattccttag	ccactttggg	gagcctgtct	ctccagaagc	ctttcttagt	ggtgccca	3060
gttggagccc	aggggccatg	tttgcaaact	gattcatgtg	catggctgac	aggagtactg	3120
gttcactacc	aatgcctgag	cttttctctt	acatagaaaa	actgtccact	ctcagtaatc	3180
acaagcagca	tccgttttgt	tttctcttct	tgggagacat	ctgtcaaacc	aggaatattc	3240
ttgaaaagaa	cgtgagcagg	aaaaactgct	ggtgatactt	tttttaagtt	ttgtttttat	3300
cttgctgtt	ggcttcaata	catttgagaa	tacgctgaag	agggaaaatt	tcagtgatgg	3360
agattctaga	ttaaatatca	ggactgattt	cctgggtggga	ttatgggtcca	gttttaccac	3420
agaaccaatt	ccttgaatgt	tggaaatctaa	ctttttatat	tgtcattatt	attgttgttt	3480
ttaaacgggt	ctttgtcttt	tctgttttat	ttttctcaag	ctgctttcag	gagctagcag	3540
aaaataactc	aaagtTgaag	actctggaag	atTTtgcttt	aacctaaactc	gcattgatgt	3600
attaaattta	taatttttagc	attcccaata	gacccatca	ttccttaaac	ataataccct	3660
ttgtcttgga	gtagaatact	aagttagagt	tagtggaatt	ctagtTtagg	agaggagctc	3720
aaaactataa	tctttaacaa	attgaaaaat	gaaatagggg	gttttccctt	tttgtgcaca	3780
cctatattac	cttaagaaat	ttccttccat	agacagctgc	ctcaaagggga	aatcctcttt	3840
aaaccgtagt	tggcgagag	gtcagtccta	gtcggagctt	aggagggggcg	gagacgctca	3900
catcgtctga	cttgagtcgc	cactgattgt	ggcaacagct	ttgcctcatg	agtcaaaaaat	3960
tggcaatttc	ttttgatttt	tagttgttga	atTTgtctgt	tcaagcattt	gtacatatta	4020
gaagtctaag	gagtagcaag	tcagtgggag	gactTTTTca	cccctggcat	tagcagcttc	4080
gacctcattt	tccagatgca	ccagctccta	ttataaagtt	agcaaggaaa	gtgtatgtca	4140
cgtgcaggaa	cagtgaaggca	gggacagggg	tctgtctcct	tctcacttca	ccaccggcac	4200
acagcttgcc	cctgtctttg	cccccaaagg	tattttgtgt	ctagtgtcaa	attggagcta	4260
ttcttcaactg	gtccttaacc	ttgggtttta	aaaagaaggc	ttctctgttt	gggtagcgta	4320
agagctgagt	atagtaagtc	ctcttccaaa	gagatggcaa	tatgctgggc	atctacttta	4380
aaacaaagtt	gtctgatttt	tgcaagagag	gttaggattt	tattgttctt	atttcccttt	4440
acagttctgc	agttccatca	cagtattttt	ttaaataact	caggtgtatg	agaagaaatt	4500
agaaaagaaa	attaacttat	gtggactgta	aatgttttat	ttgtaagatt	ctataaataa	4560
agctatattc	tgtaaaaaaa	aaa				4583

<210> 5290
 <211> 827
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (19)...(492)
 <223> similar to gill110599 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5290
 ccggaattcc cgggtcgact atttcgtctg ctgctggtgc tgtcattgcg ccggcggtctg 60
 cgggaagagc tggagaaagg ggccaaggct actgagagga ccttgggtgta ccccttgagg 120
 ctgcccaagg agcccaccag tcccccttc cggccctgtc ctgaaccaga tgagaaactt 180
 tgggatcctg tcggttacta ctattcagat ggctccctta agatagtacc tgggcatgcc 240
 cggtgccagc ccggtggggg gcccccttcg ccacctccag gcatcccagg ccagcctctg 300
 ccttctccaa ctcggttca cctggggggg gggcggaact caaatgccaa tggttacgtg 360
 cgcttacaac taggagggga ggaccgggga gggctcgggc accccttgcc tgagctcgcg 420
 gatgaactga gacgcaaact gcagcaacgc cagccactgc ccgactccaa ccccgaggag 480
 tcatcagtat gaggggaacc cccaccgcgt cggcggaag cgtgggaggt gtagctccta 540
 cttttgcaca ggcaccagct acctcaggga catggcacgg gcacctgctc tgtctgggac 600
 agatactgcc cagcaccac ccggccatga ggacctgctc tgctcagcac gggcactgcc 660
 acttgggtgtg gctcaccagg gcaccagcct cgcagaaggc atcttcctcc tctctgtgaa 720
 tcacagacac gcgggacccc agccgcaaaa acttttcaag gcagaagttt caagatgtgt 780
 gtttgtctgt atttgcacat gtgttttgtgt gtgtgtgtat gtgtgtg 827

<210> 5291
 <211> 1284
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (38)...(692)
 <223> similar to gil68747 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5291
 ccagagcctg gctgaggtcc tgcagcagct gggggcctcc tctgagctcc aggcagtact 60
 cagctacatc tccccactt acggtgtcac ccccaaccac agtgcccttt ccatgcacgc 120
 cctgtgtgtc aaccactaca tgaaaggagg cttttatccc cgaggggtta ccagtgaat 180
 tgccttcac accatccctg tgattcagcg ggctgggggc gctgtcctca caaaggccac 240
 tgtgcagagt gtgttgctgg actcagctgg gaaagcctgt ggtgtcagtg tgaagaaggg 300

gcatgagctg	gtgaacatct	attgccccat	cgtggtctcc	aacgcaggac	tgttcaacac	360
ctatgaacac	ctactgccgg	ggaacgcccg	ctgcctgcc	ggtgtgaagc	agcaactggg	420
gacggtgcgg	cccggcttag	gcatgacctc	tgttttcac	tgcttgcgag	gcaccaagga	480
agacctgcat	ctgccgtcca	ccaactacta	tgtttactat	gacacggaca	tggaccaggc	540
gatggagcgc	tacgtctcca	tgcccaggga	agaggctgcg	gaacacatcc	ctcttctctt	600
cttcgctttc	ccatcagcca	aagatccgac	ctgggaggac	cgattcccag	gccggtccac	660
catgatcatg	ctcataccca	ctgcctacga	gtggtttgag	gagtggcagg	cggagctgaa	720
agggaaagcg	gggcagtgac	tatgagacct	tcaaaaactc	ctttgtggaa	gcctctatgt	780
cagtggctct	gaaactgttc	ccacagctgg	aggggaaggt	ggagagtgtg	actgcaggat	840
ccccactcac	caaccagttc	tatctgggct	gctccccgag	gtgcctgcta	cggggctgac	900
catgacctgg	gccgcctgca	cccttgtgtg	atggcctcct	tgagggccca	gagccccatc	960
cccaacctct	atctgacagg	ccaggatata	ttcacctgtg	gactggctcg	ggccctgcaa	1020
ggtgccctgc	tgtgcagcag	caccatccctg	aagcggaaat	tgtactcaga	ccttaagaat	1080
cttgattcta	ggatccgggc	acagaagaaa	aagaattagt	tccatcaggg	aggagtcaga	1140
ggaatttgcc	caatggctgg	ggcatctccc	ttgacttacc	cataatgtct	ttctgcatta	1200
gttccttgca	cgtataaagc	actctaattt	ggatctgatg	cctgaagaga	ggcctagtta	1260
aatcacaatt	ccgaatctgg	ggcc				1284

<210> 5292
 <211> 4119
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2)...(1772)
 <223> similar to gi3327130 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5292						
tgtggcgacg	gcggcagctg	tggccccggc	gccagcgccc	ggcacggaca	gcgcctcttc	60
ggtgcactgg	ttccgcaaag	ggctgcgact	ccacgacaac	ccggcgttgc	tggcggccgt	120
gcgcggggcg	cgctgcgtgc	gctgcgttta	cattctcgac	ccgtggttcg	cggcctcttc	180
ctcagtcggg	atcaaccgat	ggaggttcct	acttcagtct	ctggaagatt	tggacacaag	240
tttaaggaaa	ctgaactccc	gcctgtttgt	agtccgggga	cagccagccg	acgtgttccc	300
aaggctgttc	aaggaatggg	gagtgacctg	cttgaccttt	gaatatgact	ctgaaccctt	360
tgggaaagaa	cgggatgcag	ccatcatgaa	gatggccaag	gaggctggtg	tggaaagtagt	420
gacggagaat	tctcataccc	tctatgacct	ggacaggatc	attgagctga	atgggcagaa	480
gccacccttt	acatacaagc	gctttcaggc	catcatcagc	cgcatggagc	tgcccaagaa	540
gccagtgggc	ttggtgacca	gccagcagat	ggagagctgc	agggccgaga	tccaggagaa	600
ccacgacgag	acctacggcg	tgccctccct	ggaggagctg	gggttcccca	ctgaaggact	660
tggctccagct	gtctggcagg	gaggagagac	agaagctctg	gcccgcctgg	ataagcactt	720
ggaacggaag	gcctgggttg	ccaactatga	gagacccgca	atgaacgcca	actccctcct	780
ggccagcccc	acaggcctca	gcccctacct	gcgcttttgt	tgtctctcct	gccgcctctt	840
ctactaccgc	ctgtgggacc	tgtataaaaa	ggtgaagcgg	aacagcacac	ctccctcttc	900
cctatttggg	caactcctat	ggcgagagtt	cttctacacg	gcagctacca	acaaccccag	960
gtttgaccgc	atggagggga	accccatctg	catccagatc	ccctgggacc	gcaatcctga	1020
ggccctggcc	aagtgggctg	agggcaagac	aggcttcctt	tggattgatg	ccatcatgac	1080
ccaactgagg	caggagggct	ggatccacca	cctggcccgg	catgccgtgg	cctgcttctt	1140
gacccgcggg	gacctctggg	tcagctggga	gagcggggtc	cgggtatttg	atgagctgct	1200

cctggatgca	gatttcagcg	tgaacgcag	cagctggatg	tggctgtcct	gcagtgcctt	1260
cttccagcag	ttcttccact	gctactgccc	tgtgggcttt	ggccgtcgca	cggaccccag	1320
tggggactac	atcaggcgat	acctgcccac	attgaaagcg	ttcccctctc	gatacatcta	1380
tgagccctgg	aatgccccag	agtcaattca	gaaggcagcc	aagtgcattc	ttgggtgtgga	1440
ctacccacgg	cccatcgtca	accatgccga	gaccagccgg	cttaacattg	aacgaatgaa	1500
gcagatttac	cagcagcttt	cgcgctaccg	gggactctgt	ctactggcat	ctgtcccttc	1560
ctgtgtggaa	gacctcagtc	accctgtggc	agagcccagc	tcgagccagg	ctggcagcat	1620
gagcagtga	ggcccaagac	cactacccag	tggcccagca	ttcccccac	gcaagctgga	1680
agcagccgag	gaaccacctg	gtgaagaact	cagcaaacgg	gcccgggtgg	cagagttgcc	1740
aacccagag	ctgccgagca	aggatgcctg	agactgcaga	gcccttgctc	cgtgagcaaa	1800
gcctgggtgc	ccaagcagcc	accgcagcag	cagagtacaa	cctgcagaga	agctgatcac	1860
cgggcagaga	tagagcgagc	atgtgtgtgt	gtgtgcgcgt	gtgcagagga	gggagtgggtg	1920
tgccgttttg	tgtgtgcatg	catctgttga	cactcatgat	tctgaatgtt	gcctgggctg	1980
ggggagtacc	tgtagcacgc	cagtgtctgt	tcccggcctc	cagacacaag	gctcgaggtt	2040
atggcagaga	ctttcagctg	agacctgttc	ctgcaagcca	gctgccttgt	ctgaacagaa	2100
cgtagtggtg	ggaccctagc	tgggattctg	gcatctgcct	ccctagacct	ccttccctcc	2160
ctcctcacgt	caggctgtgg	agcaggagca	cagcagttct	ggctgttgtc	caaagcatgg	2220
gattctggag	gcagccagag	ccctgctgag	ttcctgcttt	ctgacctgga	ggctgagcag	2280
gccggagtgg	atggatgctg	tccagacgta	gccacctggc	ctctgtttct	tattttaaaa	2340
ttctctgcta	ctgggctcag	tcccaggccc	ttccttgggc	ttctgggact	gagcatgagg	2400
ccatagacag	atctaaaaag	tttccaccac	cctacagaag	tacacacaga	tacctgactg	2460
gtgtggggta	tgcctggtac	tgtaatagga	gcctaagaca	gcacacctac	cttttcagga	2520
tttagaacct	aaaattagaa	agagaatccc	agctgtcatt	gttccttccc	cagaagctaa	2580
gagccagcct	cagagcctac	ccaggagctg	tgaaggggca	agggtcaaac	tgactcactc	2640
taccaggagg	agaccagggt	gcagtggcgt	aaggccccct	ggtttctctg	gccacactcc	2700
aagggcacca	cagtgtctgc	cagtgaagga	cagctgacac	ccagccaggg	aaaccattct	2760
aggctttatt	ctgttgggct	tccagggcct	gtcctggact	tgtcagcatc	cagactgcca	2820
tgtcagctat	cccagtagct	gagctccaag	gactcacgca	gagggactca	aggatgggga	2880
ctgccagggg	cagttggcaa	aagtccaagt	agagattaca	cccaacacac	cattccttcc	2940
aggagcagta	ggtgggaggt	ttgacccaga	gaagccaatc	cttgcatctc	aggagtggcc	3000
tgtgcctccc	acctcttccc	tcccactgcc	aaaggcctgt	gttgagaaag	atgtcatgca	3060
aaaggacgac	ggtggccaac	taaagcaagt	cttccttcca	ccctgtggcc	tgcacttgag	3120
ccacaaagtg	tgtgtgtgtg	tgtgtgcgtg	tgtggtacgt	gtgtgtgtgt	gtggctatga	3180
ggctgattcc	tgtttggatt	tttgtcctca	cgtgtatcat	taagctggcc	tttgggcctt	3240
ttcctttcta	cctccccctg	gacctttcct	agcctcagat	ctgttaattc	ttttggcccc	3300
agccctgtcc	ctcactgtcc	tctgtccttg	gaccagaacc	ctgggggtcag	acccatctcc	3360
tgtagctgtc	catcacactg	acaggcttct	tcctgagata	tcctcagggt	ttctcagcca	3420
gagagctgcc	tttagagtcc	aactgttgta	cgtatgtcac	cttactaga	aatgtcccat	3480
catcgtggga	ggggagcagg	gcacagggga	tgggtgtgat	tcagagcatt	gggttggggg	3540
cttccctgtt	ccctcagccc	cagtcgagag	gaaagagaat	cgggccactg	ccagaaagag	3600
agtcaagcaa	acctggaagg	gcaaactctga	gagtgggaag	gccaaaggcc	gaggccaga	3660
tttagtattc	actagcagcg	ccttcgggta	gcaggatgat	tccttttccc	gcctgtctgc	3720
tgtgtgctct	cttccctaag	gtacagggtg	gcaggaccac	ctccgcctac	ttctccacca	3780
tcctagcat	gccagcccgt	tcccagatca	acctgccagt	ggagtccagg	agtgcactcc	3840
tggagccaag	agggaagggc	agggtagaga	gggtatgtcc	agtagcctgg	agctccatgg	3900
tggcttcatg	cctcccctct	cccagctcag	gtggccctga	gggctccctc	ggaacagtgc	3960
ctcaaatcct	gacccaaggg	ccagcatggg	gaagagatgg	ttgcaggcaa	aatgcacttt	4020
atagagattt	tctattgtctg	ggaagggtgtg	tttctcccac	aatttggttg	tgaatattca	4080
cttgttttat	aaatgtctga	cctgtcttga	aaaaaaaa			4119

<210> 5293
<211> 614
<212> DNA

09488722.043100

<213> Homo sapiens

<220>

<221> misc_feature

<222> (615)...(187)

<223> similar to gi5262513 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5293

ttttttttta	ctaaacactc	aataacttta	tttgcctttg	gctggctcct	tgggtgtgggg	60
cagggtaggg	tttggcaaca	gcctgggctt	catgcgccct	ctgggtggacc	tcagaggcac	120
gaactggaat	ctggggccaaa	cctgaggact	taacagtcaa	tagcctagga	gggtcgcagc	180
gctcctcagg	tctgcacccc	agacccaaca	tcaggggacg	gggcactctg	ggaggaagcc	240
ctgaacctct	ggctctcata	ctcgcgccgtg	ttggacaacc	gcatgttctg	ccgagccttc	300
atctgcttca	cacggtcctt	gtccacttcc	cgcttgggtga	ggatgaagag	gaggatacca	360
caagggaagc	cgatggccca	ggccagtccc	acagctttca	tggggttctt	gcccctcttt	420
ctgggaatgt	attccagctc	cggggatagg	ggttcagggt	cctccttgcc	ctctggggag	480
ctgtggcttt	gcaggggccg	ggtcctgtta	tgagaagcct	tgttagctgt	ggctcctgcg	540
agaatccccc	ggaggacgcg	ggcatttctc	gccccccggc	ccttcagcgc	cgtagcagct	600
accaccgccg	ccat					614

<210> 5294

<211> 1730

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(584)

<223> similar to gill122398 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5294

ggggcactat	tatcacacca	gatgaatata	ctggaaaaat	aatgatgctt	tgcgaggctc	60
gaagagcagt	tcagaagaat	atgatattta	ttgatcaaaa	tagagttatg	cttaaatatc	120
tctttccttt	gaatgaaatt	gtggtagatt	tttatgactc	tttgaaatcc	ctatcttctg	180
gatatgctag	ttttgattac	gaagatgcag	gctaccagac	tgcaagaactt	gtaaaaatgg	240
atattctact	gaatggaaat	actgtagagg	agctagtaac	tgttgtacac	aaagacaaag	300
ctcattcaat	tggcaaagcc	atatgtgaac	ggctgaagga	ttctcttcc	aggcaactgt	360
ttgagatagc	aattcaagct	gctattggaa	gtaaaatcat	tgcaagagaa	actgtgaaag	420
cctataggaa	aaacgttttt	gcaaaatggt	atggtggtga	tattaccoga	aaaatgaagc	480
ttttgaagag	acaagcagaa	gggaaaaaaa	agctgaggaa	aattggcaac	gttgaagtgc	540
caaaagatgc	ttttataaaa	gttctgaaaa	cacaatcttc	taaataattg	gtgggaaaac	600
aaagaatttt	cattgcaatt	tgtaatatgc	tgacaacaga	aagaaaatta	taaaatttgc	660
ttgttacttt	cagggtatcc	aggttcaaat	aacctactag	tctttcgttg	aaagggagta	720
gttagtgggt	aggcaagagc	ttagattttg	aagccatggt	gcctgctctc	aaatatctgt	780
tccaaccact	cactagtaag	gtgaccgtgg	ccagattaac	ctttgtttcc	tcttcagtaa	840

aatcgagatt	atactactac	ctacataagt	tggtgttggtg	aagattaaat	gaggtaatac	900
gttaaataatt	cagaggtgca	agacacatag	taagcactca	attgtaacta	cagttaagtc	960
cttaaatagcc	atcgaaagg	tcttagaaac	tgactttaag	caaaatgaca	cgtagcacia	1020
tggttcttgaa	tgatgtcatt	tccttaagt	gtttgtaaca	tcgatgagga	aaaaaaattg	1080
gtttatgcgt	catttcattt	tattttttatt	tattttttga	gacagagtct	tgccctgtcg	1140
cccatgctgg	agtgcattg	cacaatctcg	actcactgca	acctctgcct	cctgggttca	1200
agagattctc	ctgcctcagc	ctccattaca	ggcgtgcacc	accatgctcg	gctaattttt	1260
tgtatcttta	gtagagtcgg	ggtttcacca	tggtggccag	gctggtcttg	aactcctgac	1320
ctcgtgatcc	acccaccgtg	gcctcccaaa	gtgctgatta	caggtgtgag	ccaccatgcc	1380
cagccatgtc	atttcattta	aagtcacaat	ttccatgaat	ctcaacaagt	gaggacctgc	1440
tatatattgt	tgcatgcagt	ttttctttac	ggacactaaa	aggccccata	cttaagattc	1500
catctacttt	aagtttaaag	gattttcaga	atcaccttaa	gtgtcaaatt	tgtagcagg	1560
attaattgat	atgaattcac	ttattaaaca	gtaaactcaa	ataacataga	catcaaataa	1620
cagacatctg	ctctagttaa	tgataaaatg	tttatagatt	ttatcagggtg	agtagtttga	1680
aactaaatgg	tttacatcta	aattaagggc	aggagctgtc	tttcagacat		1730

<210> 5295
 <211> 699
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (700)...(409)
 <223> similar to gi3747107 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5295	
aacacattta	aaaacatttt ggcagctttt tagttgattc attaaacttg ctttattcat 60
caatattaaa	gtcgggaaag taaaaaatgg taaatagcca tggataaaca ttcaaaaata 120
gcatttttga	tgaccttaaa ttatttttaa agccttcagt acctaaaatt ttatatatat 180
actttcatat	tccccctct aatactttcc ttgcattaac cctggagcat acacaacttt 240
tgaaaaagtc	aaaaaatcga gattgttttc ccagggtaaa gatagtttga aggctggaat 300
aataaggatt	tgctgaatgt atcgttgctg ctggttgtaa gatctcaagt caatccctcc 360
ctggttgctg	aagccatata accctagtgg atccatcact catcactaca ccatccgata 420
cacagggtca	ccaactctca ggcttccaat tttttccact gaataataga tccccaaaag 480
tgagagacaac	ttgtacaatt ccctctcaga aggatcacac aggcggtagc tcttcagggt 540
gtccagtggc	tgtttcctgt ctatgactcc agtgtctggg tccaccgttg tcaaaaataca 600
cctggggcat	gccattacct ttttcacttc tacactacca attaggagtt catcccagggt 660
atcctcctca	aaagcatcac agccggtcac cacaatatt 699

<210> 5296
 <211> 1810
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (45)...(1432)
 <223> similar to gi3168866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5296

ggaggcagga	ggagcaagaa	gtggaaacaa	gagcagtgcc	gtccccctcct	cctcccccca	60
tcgtgaagaa	gccattgaag	caagggtggg	ccaaagctcc	aaaagaggct	gaggctgagc	120
cagccaagga	gacagcggcc	aaggggccatg	gccaaggggc	agcccaaggc	agggggactg	180
tggtgcgcag	ctcatactcc	aagcccaagc	ggccacaacc	cagcagggaa	attggcaaca	240
tcatccgcat	gtaccagagc	cgccccgggcc	ccgtgcctgt	gcccgtgcag	ccatccaggc	300
ctcccaaagc	tttctgagg	aaaatcgacc	ccaaggacga	ggctctggcc	aagctgggta	360
tcaacggtgc	ccactcgtcc	ccgccgatgc	tgtccccag	cccaggaaag	ggccccccgc	420
cagctgtggc	tcctcgaccc	aaggccccgc	tacagcttgg	gccctctagc	tccatcaagg	480
aaaagcaggg	gccccttctg	gacctgtttg	gccagaagct	gcctattgcc	cacacacccc	540
cacctccacc	agcgccacca	ctgcctctgc	ccgaggaccc	agggaccctt	tcagcagagc	600
gtcgttgctt	gacacagccc	gtggaggacc	agggggtctc	caccagcta	ctcgcgccct	660
ctggcagcgt	gtgcttctcc	tacaccggca	cgccctggaa	gttgttccta	cgcaaggagg	720
tgttctaccc	acgggagaac	ttcagccatc	cctactacct	gaggctcctc	tgtgagcaga	780
tcctacggga	caccttctcc	gagtcctgta	tccggatttc	ccagaatgag	cggcggaaaa	840
tgaaagacct	gctgggaggc	ttggagggtg	acctggattc	tctcaccacc	accgaagaca	900
gcgtcaagaa	gcgcacgtg	gtggccgctc	gggacaactg	ggccaattac	ttctcccgt	960
tctttcctgt	ctcgggcgag	agtggcagcg	acgtgcagct	gttagccgtg	tcccaccgtg	1020
ggctgcgact	gctcaagggt	acccaaggcc	ccggcctccg	ccccgaccag	ctgaagattc	1080
tctgctcata	cagctttgcg	gaggtgctgg	gtgtggagtg	ccggggcggc	tccaccctgg	1140
agctgtcact	gaagagcgag	cagctggtgc	tgcacacagc	ccgggcaagg	gccatcgagg	1200
cgctggttga	gctattcctg	aatgagctta	agaaggactc	cggctatgtc	atcgccctgc	1260
gcagctacat	cactgacaac	tgcagcctcc	tcagcttcca	ccgtggggac	ctcatcaagc	1320
tgctgccggt	ggccaccctg	gagccaggct	ggcagtttgg	ctctgccggg	ggccgttccg	1380
gactctttcc	tgccgacata	gtgcagccgg	ctgccgctcc	cgacttttcc	ttctccaagg	1440
agcagaggag	tggttggcac	aagggtcagc	tgtccaacgg	ggaaccaggg	ctggctcggt	1500
gggacagggc	ctcagagggt	aggaagatgg	gagagggaca	agcagaggca	aggcctgcct	1560
gagactgagg	aaggaaaggg	gtttgaccac	tcccagggct	gccatgcggt	gggaccaccc	1620
tgctgtccgt	ctcctgtggc	tgccccctctg	cccgtcctctg	atggctcgcc	ttgtctctcc	1680
agcaagactg	tgcactcctt	gcaggcaggg	gctgggctgg	atgctgctct	tgtgtcccac	1740
gtggtactta	gttcaaggct	gccccagcag	atgcttaata	aacagctctt	cactttcctg	1800
aaaaaaaaa						1810

<210> 5297
 <211> 1247
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (13)...(1077)
 <223> similar to gil216313 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5297

gaaacttttg	aagaattaat	tgactgctct	ggggggtgta	ttctaggagg	tttgggtggat	60
gcacacacac	atccagtatg	ggctggtgaa	agagttcacg	aatttgcaat	gaagttggca	120
ggagccacct	acatggaaat	tcaccaggcc	ggaggaggga	tccactttac	cgtggagcgc	180
acgcgcgaag	ccacagagga	ggagctgttc	cgctccttgc	agcaacggct	ccagtgcattg	240
atgagggtctg	gcaccacgct	ggtggagtgc	aagagtggat	atggcctcga	cctggagacc	300
gagctcaaga	tgctgcgcgt	gattgagcgc	gcccggcggg	agctggacat	cggcatctcg	360
gctacctact	gcggggctca	ttcagtgcct	aaaggaaaaa	ctgctactga	agctgctgat	420
gacatcatca	ataaccacct	cccaaagctg	aaggaaacttg	gcagaaatgg	ggaaatacac	480
gtggacaata	tagacgtatt	ttgtgagaaa	ggtgtctttg	atctcgattc	caccagaagg	540
attcttcaac	gtggaaaaga	tatagggtta	cagattaact	tccatgggga	tgaactccac	600
ccgatgaagg	ctgctgagct	tggggctgaa	ctgggagcgc	aggcaatcag	ccacctggaa	660
gaagtgagt	atgaaggcat	cggtgccatg	gcaacggcca	ggtgctctgc	catccttctg	720
cccaccacag	cctacatgct	gagactgaaa	caacctcgag	ccaggaagat	gttagatgaa	780
ggagtaatat	ttgctctggg	aagtgatttc	aaccccaatg	catattgctt	ttcaatgcc	840
atggtcatgc	atctggcctg	tgtaaacatg	agaatgtcca	tgcttgaggc	cttggccgct	900
gccaccatca	atgcagctta	tgcactggga	aagtctcaca	cacacggatc	gttggaagtt	960
ggcaaacagg	gagatctcat	tatcatcaat	tcatcccgat	gggagcattt	gatttaccag	1020
ttcggaggcc	atcatgaatt	aattgaatat	gttatagcta	aaggaaaact	catctataaa	1080
acatgataga	tttggaaaaga	gaagactttt	tgactatatg	aaataagtca	atatagttat	1140
attaaaagtt	aaaacacctt	aatattttaca	agaattatat	cacttaaacc	taaagtgtact	1200
tcaatgtctt	tttaagtcac	tcaaaaaaacc	caagggatag	atttatt		1247

<210> 5298

<211> 1689

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1692)...(1434)

<223> similar to gi5788103 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5298

tcaagcactg	aagacgcaaa	actgaaacaa	caggcaaggg	cgagtggaac	gtgggatggg	60
gagcaaaaagg	ctggaaggag	gggggctggg	cccacacctg	gaagaacca	catccttgca	120
gcctccggtg	gctgcaacat	cttgccccct	gcagatcttt	tcagaggtcc	ggcacaatga	180
ctccacagag	ggctgactgg	ttccatgatg	cttaagaggt	taggaagctt	gtaggaggca	240
cgcttgactt	ggcactccct	ccaccaggcc	ctgactatct	gaggaccaat	tcacacacct	300
ggagccccga	gtagcagcct	gaaggaaatgc	taaggaggta	ggtgaggagg	tggggggcag	360
gcccttgccc	ccatttcttg	attgtataac	acttcattaa	aataaaatca	cgcagtgcc	420
tcttttatta	gacattttta	taccatatca	aaacaccttg	actaatgaag	aaagcttttc	480
tccaagctt	tgaacatttt	tttaaacatt	ttataagttt	ttttttgtat	tttaatatat	540
aaatacagaa	acctatcttg	catgggctga	tgccacgtgt	gaacatcaat	ggctaaaatg	600
ttctcaaaca	tagtgcctga	aaacaggggt	agctgtacat	atttcttagt	aagtcttttt	660
ttgtttaagt	tttctgaaaa	aaaaaatcca	cgagggccta	agaataatgt	tcaggcattt	720

ttgcaggaca	cttgtgattg	ttaaatacctc	tgaactgacc	ggaaccagga	ggaaagaagg	780
gaaaagagat	gggatcagta	ggaagaaagt	tctcaatggg	ttgttttttg	gcaatgaagt	840
caagatatta	gggtctcaag	gggagaaaag	agcaaaaaac	cagccagaaa	aatagaggga	900
aaaaaccaa	caaacccaa	gtagagaagt	tggtggtgga	gagggccagt	tggggcaggg	960
gaagagaccg	tgtgctcgcc	cgccgtcaga	aggctggcag	cgaggcctta	gctgtgttcg	1020
tctgtcactg	agtgggttat	ggctgggcag	caaacagcaa	gctgtaaaca	tcacgaggga	1080
aaacaccagt	cgacactaga	cttttttttt	atataatttt	tttttgtaaa	cacttttaaag	1140
acagacccac	aatgcctttc	aaagatgaaa	aagaaaatgc	cctttccctc	ctgggctgag	1200
gggtgagggg	aaggatagca	gttgattcat	tcttctctca	aacttgctct	catccaattt	1260
ggtgtcctca	gggaggaagg	gagaaccatg	atctggaagt	cagtgcagaa	ggggtgccct	1320
gttcccgctg	gtgtcccaag	ctcagctctg	ccccagggtc	cggtgagcct	cctccctgga	1380
gcaggggcgc	tctgtccctt	tgagaggagt	cagcaagcaa	gcccgcaggt	cagtccgcag	1440
ggtgttccgg	acaagatctg	ttcacttcaa	accacgagtc	tatgcagctt	ttgtgataga	1500
tgacacaggca	gggcagcctg	gctatcgtgt	ccccctgcag	cagctcctcc	aggcagatca	1560
cacactcacc	cgcgtcttta	gtcagcacat	catcgttgta	ggagaggcga	ggtttgctca	1620
aacacattat	aaagtgcatt	tccatctcgt	caaaagccac	agacttggag	caaatggggc	1680
acttgaacc						1689

```

<210> 5299
<211> 1460
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1252)...(353)
<223> similar to gil293835 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5299	
tttttttttt	ttggccaaac agattggtca ttattgtaca catagctgga agggaggggt 60
ggtcccgggg	taaggacagg gctgcccaat atttgggggg aggaaggagac tcttcttcca 120
aatgggcttg	tccgggaacc ggggtcccgg ggagctgggc gcctggtcca catggacccc 180
ctccacctcc	ccacatacgc tgtggaagaa gggcaggagt gagaaatgct gggggaggac 240
gacccttttg	tctgagatgt ggaggtgatc ataacagttc ccgcccgtcg gctgttttgt 300
tgactttgga	gaggccttcc cggaaccagg agtccgtcat tacttgctcc atctgaacat 360
cctcctcgtc	ctcctggggc agctgcagggt acgggttggt ccctgtgggc tggaaacttgt 420
agcccgtgag	cacgaagaag gccagggtgg agccctccac caagagctgg tacagccact 480
gccactgaaa	gggcacagcc acctgcagca ggatggcgat gatgcgggtg aagtagacgt 540
agcagatgac	catgacatag taatgccgga acagcttcag cttggccagg ttcactgcca 600
ccttcccgtc	tgtgccagac gcatcctgga gatgccggat ggaccagact acggggaaca 660
ggatggcacc	acagcagatg aggtccacca ggaacaaaat ctccctccac agcacgtagt 720
cgtggtcgcc	ttcctcgcgg gactcgatga tgatgtaggc cacgttggcc aggacctgca 780
tggggatcac	gatcccaaag accttcttct ccttatccga caggacgtac ttgatgaagg 840
cccagcctga	gccaatcagg gcgatggtga tgaagaggag ggcgcccttc agcagggtgtg 900
cgatgtagta	catgacggca aggccttcga tgggggtggc ctggctgttg atgaagtagt 960
agttgatgct	gtggaagagg agagagatgc tcttggtgaa ggccaaggcc gccatgagcc 1020
agtggatctt	gaagacgctg tacgtgttcc tgcagaggat ggacacccag aagatgccag 1080
cggccaggaa	gcaggcggac atgacatgt agagcttgaa aaggggcatc tccgctgccg 1140
acaggaagcc	atcgggggtt ttctcccgga tcatcaccgt gatgtcgaat ggatgctcct 1200

ttcctggcac	tgaattgttg	cagttgtgga	agttcaggct	gtactggcct	tcttccgcct	1260
gagagccgat	caccacgtgg	aaactgaagt	tgtaggagtt	gttgagggtg	ctcaggccca	1320
acaccaggtc	cttgtccttc	ccactaggac	cctgaatcac	tgcgggtgtt	gacttgggct	1380
tgctggctgc	agaggtccct	ccgccatcca	ccttgccggg	gactgtggcc	tgtggcttcg	1440
ggaattccac	cgactggac					1460

<210> 5300

<211> 2335

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (6)...(976)

<223> similar to gi2622298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5300

gatcttttga	tttcatacat	ctagaccctt	ttggaacatc	agtgaattat	ctagattctg	60
cattcagaaa	tataagaaac	cttggcatag	tgtcagtgc	ttctacagat	atcagttctt	120
tatatgcaa	ggcacagcat	gttggccggc	gtcactacgg	atgtaacatt	gtccgaactg	180
aatattacaa	ggaactagca	gccagaattg	ttgtagctgc	agtggcaaga	gctgcagccc	240
gatgcaacaa	aggcatagaa	gtactgtttg	cagtggctct	ggaacatttt	gtgttggtag	300
ttgtgagagt	tttgagggga	cctacttcag	cagatgaaac	agccaagaag	attcaatacc	360
tgatccattg	tcagtgggtg	gaagagagaa	tttttcagaa	ggatggtaat	atggtagaag	420
aaaaccata	tagacagctg	ccttgtaact	gtcatggaag	catgcctgga	aagacagcaa	480
tagaacttgg	acctctgtgg	tcaagttccc	ttttcaatac	tggtattcctc	aaaagaatgc	540
tatttgaatc	tcttcaccat	ggtttggatg	acattcagac	cctaataaag	acattaatct	600
ttgaatcaga	gtgtacgcct	caaagtcagt	tttcaattca	tgcatcttca	aatgtcaaca	660
agcaagaaga	aaatggtgta	tttattaaaa	ctacagatga	caccacaaca	gataattaca	720
ttgcacaagg	aaagagaaaa	agtaatgaaa	tgatcacaaa	tttaggcaag	aagcaaaaga	780
ctgatgtcag	tactgaacat	cctccctttt	attacaacat	tcacagacac	agcattaaag	840
gaatgaatat	gccaaagtta	aaaaagtttt	tgtgctattt	atctcaagca	ggcttttcgag	900
taagccgaac	tcatttttgac	ccaatgggtg	tacgcacaga	tgcacctctg	atgcagttta	960
aatctatcct	tttaaagtac	agcaccacca	cctacactgg	aggacagtca	gaaagccatg	1020
tccagtcagc	atctgaagat	acagtaactg	aaagagttga	aatgtcagtg	aatgacaaag	1080
cagaagcaag	tggtgcaga	agatggtaaa	cgtagagaag	aattggttct	caggtgtctg	1140
tatagatggc	ctaatagttc	tctataccaa	ctgtagttct	ttttctgttc	tttcaattca	1200
gtagagtaaa	aataaaaaac	agtgtcattt	tcattcagaa	actgagcagt	ttctaactta	1260
gctgggtttg	gagcttttgct	ttccaagttt	ttttttgttt	taaggcaaac	ttaaaatttt	1320
aatggaaaac	tttcatatga	agccaagtct	cactgagatc	accctactgc	ttaataattc	1380
agaaaatttt	cacatgcaaa	gtgtttggaa	ttttatgtat	gttatgaaag	ccatctttta	1440
caattcttaa	tcacatctct	gcctaaactg	attcatgatg	tttatgtttt	cctgtttgta	1500
gtgtacaaaa	tgaagctgaa	ggctcacatg	ttaaaatgac	cctgaataga	ataggaaaga	1560
caatgttctt	acaggtcata	atgtattttca	caattaaaaa	actaaaatat	gtacccattt	1620
ttaagaaatc	atacttctct	ccacattgat	cttttcatct	cttactagct	tttaagaaat	1680
taaatacttg	cctgagatag	aaatacttta	tttttgtaac	tttaaggtct	aaatgactaa	1740
acttcaaagt	aagattttgt	cagaataaat	tgagaccatt	aatctaatat	aatacttggt	1800
catgagcact	gaaatcctga	agaggagaga	tttggttata	aattaaaaag	gttgggtgat	1860
cttaagtgcc	tcagttaatg	cacgtacagt	attcatttgg	ttggttgtac	tacctctcag	1920

<220>
 <221> misc_feature
 <222> (2057)...(1052)
 <223> similar to gi4378887 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5302

aaaatthttca	ttaatcaaac	tccgtaaaga	aaactthttcca	acagccagga	tatggagggtt	60
gtttttacccc	tttttcccct	taaaatthttt	ttttttccct	aaagccttaa	atttctgtag	120
ggagggtgtc	ccaatatgtc	cccccccaa	aataaagttc	ctttccaaaa	attcccaagt	180
agggtttta	tgggccccct	ataaggaaaa	aaatattacc	tgcaagccc	gggtaaaatt	240
tggccccccc	aaggattctt	taaaacggcc	ccccctthtt	tttttttttc	catccataaa	300
catatgtctt	tattctcttt	ctgtacatat	gggcaatgat	aaagcttaaa	gatgcatgtc	360
ctaagaaata	tgcaaaaaca	atgaatttac	ataaataatt	tatacttcag	aaaattaaag	420
ttgaaaaata	ttttccacat	tattagaggt	cacagtattt	aaatcaagct	ttcccaactta	480
tactccagac	tatatgtctt	tagcagagag	tgataaaatc	taatcaggaa	taaaatgatc	540
aagtttctgt	ttttattcag	tgacagagta	gacgtatttt	cagtatcagg	ccgcgcgaag	600
tgctcagggt	gcagcctctc	atcctgaccc	ttccccctct	gagtggctgt	gaccagcag	660
aggtcactgg	cgtggaatgg	ttacagcgtc	accaaaccac	tccacggtgg	acacattcaa	720
ccgagcggta	acatctggtg	gtctgatgcc	tcatttccaa	gtaatacttt	ttatagccct	780
gaaaatggaa	accttggcat	ctaaacaaac	agagctgaac	atgtgaacac	taggacaagg	840
cactgtacta	tggggtttgg	tttcttttat	ggaaagggtg	ttgcatagat	tgctagctat	900
ttagtgtgca	ggaaaacaga	gcccccagcg	tgcatggctt	tgtgaggggt	gaagctgcat	960
ggtgctccct	cagccccaa	agagcgcagt	ctctcattct	ccagccccag	ccttgtgggc	1020
tgtcccgtct	gtgctgtcct	ttagaacccc	tacaggagag	ttttttgctc	aaaaagctgc	1080
agggtcaaac	ggaccagac	ctccccgggt	gggacctcat	gcagcagcag	tggcggggtc	1140
atagggcctt	tgttttccct	ttctgttcga	atttttgcca	ctggaatttc	agtacgaccc	1200
aggaaatcat	ctggtgaaaa	ctggtctctg	tcaaacaggg	tgagacacag	cacgtcttgg	1260
tagagatcct	taataaagaa	ctggcagtta	aaattccact	tgggattgag	tgtgtcctgg	1320
atggctcctg	tgggtgtagc	ctgggagccc	atgctgattt	cacagtatgg	gttgcctctt	1380
ccatttgggt	tgcaggcttt	taattctgta	gcttcaatga	catgcaccat	caggcgccca	1440
atgcctgaag	tcttttggga	gcgggcttgg	taagctttct	cacgcttctt	cttctcggtg	1500
tcgatgtact	gctcagacgc	cgccttgatc	ttctgcaccc	aggcggctct	ctcattaatg	1560
ttgtctgttc	ggaggggtga	gaccgatca	atgtgggaaa	tgtggaagac	aggctcatcg	1620
ctggaagggt	ctgtgggcag	tttcaccaag	acttcattca	ggaaaatggg	cgtttttatac	1680
atthttgaatt	gagcatttga	cttcgagctg	aaaagthttct	cagagccaga	ggaaacagca	1740
aactgcttga	ccatgtaggt	aagaagcagg	aagtcattga	agaggaatcc	gtgcagttcc	1800
ttgttgctct	tggctcttga	taatttccca	ctgtgtgaaga	gcttccgggg	ccccaggcag	1860
ttgggtgagag	agttgaaaa	aagttgctcc	gcgaggcctt	cacactgcac	gtgcgcctgg	1920
atccactcca	gtcgggtccga	gttttccctt	tcccgaactc	cctcattcac	ttgagagcac	1980
agctcctctg	cccgtctcag	ggccagcttt	agggaggaat	ggtctgcatg	gctctccggg	2040
gtgttctcca	gaatctggaa	aagagtgggc	agtgtcacat	gggggagctg	cgtctctcac	2100
ctgcccacct	ggaccttcgc	aggaccgctc	ctccaacccc	atgttatgga	ctgcttccat	2160
gccctggaaa	cgcgggcgtg	aacaagacga	cactttccgc	ccttgagaaa	ctcgtactcc	2220
cacaagttct	tggggacaca	gggacaggtg	acgctgctgt	gacaaggtga	cagtgtctaaa	2280
cggatcaagt	gctctgaact	gtgtgggtct	ctgggtgctc	tccgactggc	tcccggtaat	2340
aggcgggagc	ctcccgactc	cttccgaaat	ttaagccatg	taagggtgcg	ccctcctgta	2400
taaactggct	gcagctgtgg	taagtgtgaa	cttgctgaat	agcaatgggt	cata	2454

<210> 5303

<211> 1751
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (50)...(796)
 <223> similar to gi4102980 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5303

taagaaaaca	aacttttctcc	gttctatgac	tgctctcttg	gacccagctc	agattgagga	60
acgagacaga	cgacgacaaa	aacaattaga	gcatcagaaa	gccatcactg	cccaggtaga	120
agagaagcgc	aggaagaaac	aactggagga	agagcaaaga	aagaaggaag	aacaagaaga	180
ggagcttcgc	ttagcacagg	aacgtgaaga	gatgcagaaa	cagtatgaag	aagacatact	240
taagcaaaaa	caaaaggaag	aaatcatgac	tctcaagaca	aatgagctat	tccagacaat	300
gcagcgagca	caggaactgg	cacagagact	aaaacaagaa	caaagaatcc	gagaattggc	360
gcaaaagggg	catgacactt	ctagactgat	taaaaatctt	ggtgttgata	caatacaaat	420
ggaatataat	gcatctaaca	tttcaaattc	aagacatgat	tctgatgaaa	tcagtggtaa	480
aatgaataca	tatatgaatt	ctacgacttc	ttctaagaag	gatactggtg	tgcaaacaga	540
tgacttaaat	ataggaatat	tcaccaatgc	agaatcacat	tgtggatcat	taatggagag	600
ggacatcaca	aattgttcat	ctcctgagat	ttcggcagaa	cttattggac	agtttagcac	660
caagaaaaac	aagcaagaac	taactcagga	taaaggagcc	agcttagaaa	aagaaaacaa	720
tcggtgtaat	gaccagtgtg	atcagttcac	aagaatagag	aaacaaacaa	aacacatgaa	780
gaaatatcct	aaaaggcctg	attggaatat	aaataagcca	cctaaaagggt	atattccagc	840
atcagaaaag	taccctaaac	agcttcaaaa	gcagagagaa	gaaaaaaaag	taaggaggca	900
gatggaattg	cttcatttgg	tagaaaaaaa	taatcctggg	cacctctctc	aaaacagagg	960
catttcacca	gaaatttttc	attcatctca	tcaagaaacg	gagtcaaagt	tgagggtggc	1020
tctagtcaaa	aaggaagaag	agcctctgaa	tattcattca	ttcagcaagg	aaaggtctcc	1080
atcatcacca	gttccagtag	tgaaaaacag	aacccaacaa	actcaaaata	cattacattt	1140
accactaaaa	aacagtagct	atgagagaga	gaatttgatc	tcaggaagta	atcaaacaga	1200
attatcatct	gggattttctg	aatcatccca	ttttattccg	tatgttcgaa	caaattgagat	1260
ctattacctt	gatcccgatg	caccattgtc	tgggccttca	accagggacc	ctcagtagca	1320
aaattcacaa	gactgtggcc	aaaaacgaca	gctatttgat	tctgactgtg	tcagggatcc	1380
acttcttaat	cctaacatgg	tgaaaaatag	ggatcgacag	caagcaatcc	ttaagggact	1440
ttcagaactg	agacagggcc	ttctccagaa	gcaaaaggag	ttggaaagta	gtctcctgcc	1500
cttttagctg	aaatcaagaa	gagagttttg	gttcttcatt	ttaaattgtg	aaaatcaaat	1560
ccttcacatt	tgattttgtgt	cttccaaatt	ataaaatgtg	ctcactggct	caactgtatt	1620
tttcaaatag	cctagatttta	cttatttttt	taaatgctca	ttaaaaactt	gtatactatg	1680
tagtaaaatg	ctgtacttgt	tctatacaat	aaaacagata	cttcttttgt	aaaagcttag	1740
tagtaaaaaa	a					1751

<210> 5304
 <211> 1110
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (4)...(649)

<223> similar to gi3327100 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5304

ctccaaggag	catctctgta	tgacttgctc	ggcatggaag	tagagttgag	ggaaatgaga	60
acagaagcca	ttgccagacc	tctggaaata	aacgagactg	aaaaagtgat	gagaattgca	120
ataaaagaga	ttttgacaca	ggttcagaag	actaaagacc	tgctcaataa	tgtggcctct	180
gatgaagcta	atttagaagc	caaaatcgaa	aagagaaaat	tagaactgga	aagaaatcgg	240
aagcgactag	agactctgca	gagtgtcagg	ccatgtttta	tgatgagta	tgagaagact	300
gaggaagaat	tacaaaagca	gtatgacact	tatctggaga	aatttcaaaa	tctgacttat	360
ctggaacaac	agcttgaaga	ccatcatagg	atggagcaag	aaaggtttga	ggaagctaaa	420
aacactctct	gcctgataca	gaacaagctc	aaggaggaag	agaagcgct	gctcaagagt	480
ggaagtaacg	atgactcgga	catagacatc	caggaggacg	atgaatccga	cagtgaagtg	540
gaagaaaggc	ggctgcccaa	gccacagaca	gcatggaga	tgctcatgca	aggaagacct	600
ggcaaacgca	ttgtgggcac	gatgcaaggt	ggagactccg	atgacaatga	ggactcggag	660
gagagtgaag	ttgacatgga	agatgatgat	gacgaggatg	acgatttgga	agacgagagc	720
atttctctct	caccaacca	gccaatcga	aggtctgga	aatctgaacc	cctggatgag	780
agtgaacaat	acttctgacc	cttttgccaa	gggaccctgg	cagattaaaa	ccctcagact	840
tgtaggtaaa	tgggaactta	gaaggtagg	aaggtaaccc	ctgttttggt	tactaagctg	900
gctggactca	tgatcactga	agcaatactt	atttctgctt	tagcctccta	tgtttgcat	960
ccatgaagct	taaataagaa	ttgaagcaaa	tccctaagat	ttattttttt	ccaccttatt	1020
tatcttctaa	aacttgagga	atgcatgtgt	tcttagtgat	tcacatccac	gggacaaaaa	1080
ctcaagaaga	aataagagct	gacgccacac				1110

<210> 5305

<211> 1925

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(1440)

<223> similar to gi5911316 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5305

atggcctgga	acaccaacct	ccgctggcgg	ctgccgctca	cctgcctgct	cctgcaggtg	60
attatggtga	ttctcttcgg	ggtgttcgtg	cgctacgact	tcgaggccga	cgccactgg	120
tggtcagaga	ggacgcacaa	gaacttgagc	gacatggaga	acgaattcta	ctatcgctac	180
ccaagcttcc	aggacgtgca	cgtgatggtc	ttcgtgggct	tcggcttcct	catgacttcc	240
ctgcagcgct	acggcttcag	cgccgtgggc	ttcaacttcc	tgttggcagc	cttcggcatc	300
cagtgggcgc	tgctcatgca	gggctggttc	cacttcttac	aagaccgcta	catcgctgtg	360
ggcgtggaga	acctcatcaa	cgctgacttc	tgctggcct	ctgtctgcgt	ggcctttggg	420
gcagttctgg	gtaaagtcag	ccccattcag	ctgctcatca	tgactttctt	ccaagtgacc	480
ctcttcgctg	tgaatgagtt	cattctcctt	aacctgctaa	aggtgaagga	tgaggagggc	540
tccatgacca	tccacacatt	tggcgccctac	tttgggctca	cagtgaccgc	gacctcttac	600
cgacgcaacc	tagagcagag	caaggagaga	cagaattctg	tgtaccagtc	ggacctcttt	660

```

gccatgattg gcacctctt cctgtggatg tactggccca gcttcaactc agccatatcc 720
taccatgggg acagccagca ccgagccgcc atcaacacct actgctcctt ggagccctgc 780
gtgcttacct cgggtggcaat atccagtgcc ctgcacaaga agggcaagct ggacatggtg 840
cacatccaga atgccacgct cgcaggaggg gtggccgtgg gtaccgctgc tgagatgatg 900
ctcatgcctt acggtgccct catcatcggc ttcgtctgcg gcatcatctc caccctgggt 960
tttgatatcc tgacccatt cctggagtc cggctgcaca tccaggacac atgtggcatt 1020
aacaatctgc atggcattcc tggcatcata ggcgcatcg tgggtgctgt gacagcggcc 1080
tccgccagcc ttgaagtcta tggaaaagaa gggcttgtcc attcctttga ctttcaaggt 1140
ttcaacgggg actggaccgc aagaacacag ggaaagtcc agatttatgg tctcttggtg 1200
accctggcca tggccctgat ggggtggcatc attgtggggc tcattttgag attaccattc 1260
tggggacaac cttcagatga gaactgcttt gaggatgcgg tctactggga gatgcctgaa 1320
gggaacagca ctgtctacat ccctgaggac ccaccttca agccctcagg accctcagta 1380
ccctcagtac ccattggtgc cccactacc atggcttcc cggtagccct ggtaccctaa 1440
gctcccaggg caggtgagga gcaggctcca cagactgtcc tggggcccag aggagctggt 1500
gctgacctag ctagggatgc aagagtgagc aagcagcacc ccacctgct ggcttggcct 1560
caaggtgcct ccacccctgc cctcccttcc atcccagggg gtctgactga gaatggagaa 1620
ggagaagcta caaagtgggc atccaagccg ggttctggct gcagaagttc tgctctgcc 1680
tggggtcttg gccacattgg agaaaaacag gctcaaagtg gggctgggac ctggtgggtg 1740
aacctgagct ctcccaggag acaacttagc tgccagtcac cacctatgag gctcttctac 1800
cccgctgctg cacctcggcc agcatctcct atgctccctg ggtccccag acctctctgt 1860
gttggtgtgcg tggcagcctc caggaataaa cattcttgtt gtcctttgta aaaaaaaaaa 1920
aaagg 1925

```

<210> 5306

<211> 2679

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (269)...(908)

<223> similar to gi3786433 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5306

```

acgttttttag aagacagcta ccaagtatat atttcggggg tgtagagttc aaataataaaa 60
tctctagctt cataatgttt ctaagcttct ctccctttta aaatttttgg tattagggat 120
ggattgataa ctttaatgga ccaagtggtc tctttattgc ggtaagtaaa ccttttgatt 180
tatttaatat tctatacatt tttctgtttt ttgtatatct ttaaataat atacactatg 240
gcttatatat ctttaaggtgt tgtttttaat ttcaacaaag gcagggaag gaattcttcg 300
aacaatacgt gcctccaaca atgcccttgc agatcttgtt cctgtagatg tagttgtcaa 360
catgagtctt gcggcagcct ggtattccgg agttaataga ccaagaaaca tcatggtgta 420
taattgtaca acaggcagca ctaatccttt ccactggggg gaagttgagt accatgtaat 480
ttccactttc aagaggaatc ctctcgaaca ggccctcaca cggcccaatg taaatctaac 540
ctccaatcat cttttatata attactggat tgctgtaagc cataaagccc cagcatttct 600
gtatgatata tacctcagga tgactggaag aagcccaagg atgatgaaaa caataactcg 660
tcttcacaaa gctatggtgt ttcttgaata tttcacaagt aattcttggg tttggaatac 720
tgagaatgtc aatatgttaa tgaatcaact aaaccctgaa gataaaaaga cttcaatat 780
tgatgtacgg cagttacatt gggcagaata tatagagaac tactgcttgg gaactaagaa 840
gtacgtattg aatgaagaaa tgtctggcct ccctgcagcc agaaaacatc tgaacaagtt 900

```

cgcgaatata	cgttatggtt	ttaatactat	ccttgtgac	ctcatctggc	gcatttttat	960
tgcaagatca	caaatggcaa	gaaatatctg	gtactttgtg	gttagtctgt	gttacaagtt	1020
tttgtcatac	ttccgagcat	ccagcactat	gagatactga	agaccaagga	ttcagcatta	1080
gaacatctat	acatatggtg	atctaaatgt	acaaaatgta	aaatgtataa	gtcatctcac	1140
tttttgtcaa	gacattaaac	catcttagat	cggagtgtga	agtaaattat	ggtatatttt	1200
atgtaacatt	ttaatgttta	tgctcataaa	acttagtgaa	cacactgtgt	tatgccagct	1260
caaatctaca	gtagccacca	aaaccatgac	ttaatatttt	gagccctaga	agaaaggggt	1320
gtgctgagga	caagagtggg	gaaataggaa	cactgaccag	tataactgtg	caattctgga	1380
acatattaat	taaaataata	tgccttaaca	tatagtgaat	ttctaattct	aatgttcagt	1440
gcaatggaag	acattttatt	ggacagtaat	actagcaaag	ttggtagata	tttgattctt	1500
cattttttgt	ttttttcatt	agttgaagtg	ggttttagtt	ttgtttaaaa	ttataaccag	1560
cgtattttca	catcattctg	taagttaaat	gatatcaaac	atgaaagaga	tgttctcatt	1620
ttttcttttc	tgattaaacg	tctgatgcac	atcatttttc	tataagtaat	cagttgcttt	1680
taaaatcaga	aggctatatt	attctaatag	ccctatttca	tctaattggg	tttgagaatc	1740
catatcagca	acatacgtgt	tttttgacag	aaagtgaana	caaattccgt	aaaactgtta	1800
gtatcaaaaa	gaataggaat	acagttttct	tttccacatt	atgatcaaat	aaaaatcttg	1860
tgagattgtt	tatgttttga	agcaggagga	tttcttgaga	tttgatggaa	gtgggagttg	1920
ggaaggattc	accatacttg	tgttctcctc	cctttataaa	ttttattcat	aggactttta	1980
aaaggcttgt	gctatctttc	cagtgaanaa	tgaaagtgca	ttattatgga	agaatgtatt	2040
tgcaggtagt	aatagcatta	aaaaatatac	tcgtgtgtaa	acacatacta	attttgacct	2100
tgaaagatga	attccttcaa	gaaaaataaa	ataatgctta	agataatgtg	tacgaaatta	2160
aataaaggac	tttattttaca	tactacataa	ggtagcaaac	tgttgaatga	gtttgaagggt	2220
atcacttatt	ttttatgcat	gtgatttttag	ctttagaaag	aaatgcgtta	tagaaacaag	2280
taatagcaag	aaaattgatg	tatattttaa	tgatacatta	aaattccctt	ttaatcataa	2340
tagttaactc	tacttactgt	tttaacatac	atttgattta	acaaattggt	cagcataaca	2400
cttctaatta	agtttatcaa	gttgctactgt	attagataat	cagcagtgtg	tctggagtat	2460
gtttaaagag	aacagttcgc	aatacaaaaa	gttacatgga	gctttacatc	ttaaactttct	2520
ttgtcaattt	aaatgcaatg	gataaaaagg	ttattttgct	attgtgaaaa	actaattgta	2580
aaggaaatca	cctactttta	tgcagggtga	taatcttgaa	aaggaaaaat	gcttccatgt	2640
tgaagccaga	ttttctgtag	taaaactttt	aaatatttat			2679

```
<210> 5307
<211> 2119
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(2021)
<223> similar to gi4868122 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5307						
tcaaacgaag	ggagcggagc	aaggaggaga	aggtgcctga	atgggaaccc	cccgaagcgc		60
ctgaaaagga	gagacaggag	gatgatgtcc	cagctggagc	tgctgagtgg	gggagagatg		120
ctgtgcggtg	gcttctaccc	tgggctgtcc	tgctgcctgc	ggagtgacag	cccggggcta		180
gggcgcctgg	agaataagat	attttctgtt	accaacaaca	cagaatgtgg	gaagttactg		240
gaggaaatca	aatgtgcact	ttgctctcca	catttctaaa	gcctgttcca	ctcacctgag		300
agagaagtct	tggaaagaga	cctagtactt	cctctgctct	gcaaagacta	ttgcaaagaa		360
ttctttttaca	cttgccgagg	ccatattcca	ggtttccttc	aaacaactgc	gqatgaqttt		420

tgcttttact	atgcaagaaa	agatggtggg	ttgtgctttc	cagatttttcc	aagaaaaaca	480
gtcagaggac	cagcatctaa	ctacttggac	cagatggaag	aatatgacaa	agtggaagag	540
atcagcagaa	agcacaaaca	caactgcttc	tgtattcagg	aggttgtgag	tgggctgcgg	600
cagcccgttg	gtgccctgca	tagtggggat	ggctcgcaac	gtctcttcat	tctggaaaaa	660
gaagggttatg	tgaagatact	tacccttgaa	ggagaaatth	tcaaggagcc	ttatttggac	720
attcacaac	ttgttcaaag	tggaaataaag	ggaggagatg	aaagaggact	gctaagcctc	780
gcattccatc	ccaattacaa	gaaaaatgga	aagttgtatg	tgtcctatac	caccaacca	840
gaacggtggg	ctatcgggcc	tcatgaccac	attcttaggg	ttgtggaata	cacagtatcc	900
agaaaaaatc	cacaccaagt	tgatttgaga	acagccagag	tctttcttga	agttgcagaa	960
ctccacagaa	agcatctggg	aggacaactg	ctctttggcc	ctgacggctt	tttgtacatc	1020
attcttgggtg	atgggatgat	tacactggat	gatatggaag	aaatggatgg	gttaagtgat	1080
ttcacaggct	cagtgtctacg	gctggatgtg	gacacagaca	tgtgcaacgt	gccttattcc	1140
ataccaagga	gcaaccacac	cttcaacagc	accaaccagc	ccccgaagt	gtttgtcat	1200
gggctccacg	atccaggcag	atgtgctgtg	gatagacatc	ccactgatat	aaacatcaat	1260
ttaacgatac	tgtgttcaga	ctccaatgga	aaaaacagat	catcagccag	aattctacag	1320
ataataaagg	ggaaagatta	tgaaagttag	ccatcacttt	tagaattcaa	gccattcagt	1380
aatggtcctt	tggttgggtg	atttgtatatac	cggggctgcc	agtcagaaag	attgtatgga	1440
agctacgtgt	ttggagatcg	taatgggaat	ttcctaactc	tccagcaaag	tcctgtgaca	1500
aagcagtggc	aagaaaaacc	actctgtctc	ggcactagt	ggctctgtag	aggctacttt	1560
tccggtcaca	tcttgggatt	tggaagaagat	gaactagggtg	aagtttacat	tttatcaagc	1620
agtaaaagta	tgaccacagac	tcacaatgga	aaactctaca	aaattgtaga	tcccaaaaga	1680
cctttaatgc	ctgaggaatg	cagagccacg	gtacaacctg	cacagacact	gacttcagag	1740
tgctccaggc	tctgtcgaaa	cggctactgc	acccccacgg	gaaagtgtctg	ctgcagtcca	1800
ggctgggagg	gggacttctg	cagaactgca	aatgtgagc	cagcatgtcg	tcattggagg	1860
gtctgtgtta	gaccgaacaa	gtgcctctgt	aaaaaggat	atcttgggtcc	tcaatgtgaa	1920
caagtggaca	gaaacatccg	cagagtgtacc	agggcaggta	ttcttgatca	gatcattgac	1980
atgacatctt	acttgcctga	tctaacaagt	tacattgtat	agtttctggg	actgtttgaa	2040
tattctattc	caatgggcat	ttatttttta	tcctgtcatt	aaaaaaaaaa	gactgttatc	2100
ctgctacaca	aaaaaaaaaa					2119

<210> 5308
 <211> 1550
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (17)...(1495)
 <223> similar to gi3327146 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5308						
gaattccgca	cgagctcccc	cagggcctcc	tcccttaggg	gcaatcatgc	cacctcctgg	60
tgctccaatg	ggcctagcac	tgaagaagaa	aagcattcct	cagcccacaa	atgccctgaa	120
atccttcaac	tggtctaaac	tgcccagaaa	caactggaa	ggaacagtat	ggaccgaaat	180
tgatgatata	aaagtcttca	aaattctaga	tcttgaagac	ctggaaagaa	ccttctctgc	240
ctatcaaaga	cagcagaaag	aagcagatgc	cattgatgac	actctgagtt	ccaaacttaa	300
agttaaagag	ctttcgggtga	ttgatgggtcg	gagagctcag	aattgcaaca	tccttctatc	360
gaggttgaaa	ttatccaatg	acgaaatcaa	acgggcaatt	ctaacaatgg	acgaacagga	420
agatctgccc	aaggacatgt	tggaaacagct	cttgaaatth	gttcctgaaa	aaagtgtacat	480

tgacctattg	gaggaacata	aacatgaact	ggatcggatg	gccaaggctg	ataggttcct	540
ttttgagatg	agccgaatta	atcactatca	gcaaagggtg	caatcgctgt	acttcaaaaa	600
gaagtttgca	gagcgtgtgg	cagaagtga	acctaaagtg	gaagcaattc	gttctggctc	660
agaagagggtg	tttaggagtg	gtgccctcaa	gcagttgctg	gaggtgggtt	tggcatttgg	720
aaattatatg	aataaaggtc	aaagagggaa	tgcataatga	ttcaagatat	ctagcctaaa	780
caaaattgct	gacacaaaat	ccagcatcga	caaaaacatt	acccttttgc	actatctcat	840
cactattgtg	gaaaataagt	accccagtg	tctcaatcta	aatgaagaat	tgcgagatat	900
tcctcaagct	gcgaaagtaa	acatgactga	gctggacaaa	gaaataagta	ccttgagaag	960
tggcttgaaa	gcagtagaga	cagagctgga	atatcagaag	tctcagcccc	cacagcccgg	1020
agataagttt	gtgtctgttg	tcagccagtt	catcacagta	gccagcttca	gcttctctga	1080
tggtgaagac	cttctagcag	aagctaaaga	cctgtttact	aaagcagtg	agcacttttg	1140
ggaagagggt	ggcaaaaatac	aaccagatga	gttctttggc	atTTTTgatc	aatttcttca	1200
agctgtgtca	gaagccaaac	aagaaaacga	aaatatgaga	aagaaaaagg	aggaagaaga	1260
acgtcgagct	cgatggaag	ctcagctcaa	agaacaacgt	gaaagggaac	gtaaaatgag	1320
aaaagctaaa	gagaatagtg	aagaaagcgg	agagtttgat	gaccttggtt	cagctttacg	1380
ctcaggagaa	gtgtttgaca	aagacctttc	taaattgaaa	cggaatcgca	aacgtattac	1440
caaccagatg	actgacagca	gcagagagag	accaatcaca	aaacttaatt	tctaattttc	1500
catgaatact	tttttttaga	aagctcatta	gcagccctct	aaagtgactg		1550

```

<210> 5309
<211> 593
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(392)
<223> similar to gi4680392 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5309	
gtcctagcca	cgggtgtctc cttctacatc cgcctctgcg ccggctgcca cccgcgctcc 60
ctccgcccgc	gccgccttgc tgctgtctca agctgtctgc gcccttggg ctaaaagggtt 120
ttcaaatgga	acattttgat gcatcactta gtacctattt caaggcattg ctaggccctc 180
gaggtatcag	cagctctgtc ctcagaatgg gtccccact tcaacacagtt gtaggatggc 240
tacagcagct	ccaagcagca cattcagagg aagaagaaaa aatgtttcat ttgtgtgggt 300
ttaagcataa	agaagttggt tcccagagct ctttgccagc tgtcatccct caaaactcac 360
tggccacaat	tgcttcacat gcacctgcct gaaccagcca ccagaggggg ttaggaccac 420
cacagattga	ctagatccta aggattctct acctggggct ggagttcggg tcaggtgccc 480
gggaagcact	gtgcggtgtg ggaggatgaa tatgtgccaa tttggaaaga tgagtatttg 540
tgggaaaatg	aataaagcaa agtgtaaatc agagggttaa gttaaaaaaa aaa 593

```

<210> 5310
<211> 940
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (4)...(137)
 <223> similar to gi3242244 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5310
 gggcgtaagg gatcaggaag tgagcggctg cctccctcag ggctcctggc caaacctcca 60
 aggacagccc agccccccag gccaccagt cctgagccag ccacaccccg gggctctccag 120
 ctttctgcca acatgtaaaa cctttgagta catccagcct tagttcttgg ggtgcagtag 180
 tatgtaccca agggcagatg cctcttgggg aaggccatgg ggacctgaaa cattgcccc 240
 tggaaatgtc gaccctgtgc ggacattccg catactgcca tgaagacggg ctctgtgtcc 300
 tcagctcaag aatcctgtag ctgtgtccat cataatccat tcacccgttc atcatgtgta 360
 ctgagcagct accatgttca aggtaatatg ccaggcgctg tatgtctcca ctgccaagta 420
 gaagtgactc aaaaccctct gacaaggata ttcccttggc tatggtcctg ccagggtgcag 480
 gcccaggccc atgacccccc ctttactaag cacaagtact tgccactgcc atcactgcca 540
 agtaactaga tgtctctgtt tccctgccaa tgatcctgca gggtctgccc ggtctgggta 600
 tcttcctgtt cctgtagcat agccaggcac tgccaatcac ctgtgcccc attgctgtca 660
 gcagatgtct tgggtcctga gtgtgggtat ccacttttac ccgctcactg ccacctgtgg 720
 acactctgtg tctaccctct gagtgggaac atacttctaa gatccctgca gtctctgtcc 780
 tgtggtagac catctttttg taaactggga gcttcctctt ccctgtaccc tctgccccag 840
 tcgtgacccc ctaaaagtta aggggtagtt ggcacctcct tattaatatg ccagcctaga 900
 tcccccccg tgagggggca aatggctgaa tccttgtgtg 940

<210> 5311
 <211> 902
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(903)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(595)
 <223> similar to gi5031291 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5311
 ggagccctca ccacccccac cgcttggtg ctggggctgc tggcataagg ggcacgggga 60
 ggccatgccg ctgcacaggt atgggggtgg tgaggcgcc gtaggcgctg agggcgggga 120
 ggcgaccctc ggggggtggc gtggggcgcg ctccgtggct tcacccacct ccagctccgg 180
 cagctcctcg aggggcactg agaggcccg ctcactcaag aggggctcca agccgtcggc 240
 gtccctcgcc tcgctggaga agcgcatgaa gatggtgtcc cagagcttca cccagcgctt 300

gcacgcttgg	gtcgtagcca	tcatagggat	ccatgctgag	gtctggaatc	ttccaactat	1620
ggatgcaggc	atctgccccg	ccactgtagc	agtattcact	gttgctgccc	atagccacag	1680
ccaacactgg	gccccgtgta	gcccgaaag	catgtatagg	ttccacatct	agcgccgcat	1740
tcttcttggc	cgtgaccgcc	ttctgcaggt	tccagagctt	gagcgtgcg	tcctcggagg	1800
cggtgagcag	agccgactgg	ctgtggtgga	aggccaggga	acgaatgcg	tcgtagtgcg	1860
agcgcaggtt	gaacttgggg	ttccacgtct	tcttaaagc	atctttgctg	tcagacagat	1920
cgcagctgag	gtcgttgtcg	ttggtgacgg	tgagatctgc	caagtccccc	aggctcacct	1980
ccccgcccc	gatagtgtcc	atgatgaaga	cgtcttcatg	tggccggggc	tggggtgtgc	2040
caggaggcgg	gccagtcact	tttgggggca	gcccatccac	atccgcagg	tcagccagaa	2100
tgcttggag	tttgaccoga	cggctttcca	gctcatgggg	gctcccatcc	acatgtcacc	2160
gccgagggtc	tggagccctt	tcccatcctt	ctcctgagcc	caggaaatca	aactcattga	2220
tagcatcctc	agagtctgtt	tcctcatcat	cgtcttccat	ttcgggcacc	agagccttgg	2280
atgggagctt	cacacgctgc	ttcttgtgct	gcacgctgtc	cagctcatcg	tcctcgctcg	2340
tgtcttcgtc	ctcgcagttc	tgcaggaagg	ggatctgccc	cagcactgag	cgcccaagc	2400
gctctttgcc	atctttgcct	gccgcgttcc	tctttatctg	ctcctcgatc	tgtttcacca	2460
gcagcgactc	cccaccactg	agccctgcag	ggcctggtgg	agccctgggg	gcccttcac	2520
tcggctccac	tgccccgttg	agctccagcg	agcggccag	cagggaacgg	acgcgcttgg	2580
accgcatgtc	gaggatggtg	tctg				2604

```
<210> 5313
<211> 2806
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2792)...(439)
<223> similar to gill50625 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5313					
tttttttcagg	tgctcaaact	tttattttct	tacaaaatgt	tatagaaatg	aacccaaact	60
aaacagatat	gtacatgtat	atatgtacaa	aattttactt	ctgaaaaaga	acctataaaa	120
atagatcgta	ttaaaaaaac	ttaaaaagat	ttaaaaccaa	tactatgaaa	ttgattttct	180
taaagtaata	gtaatcttaa	attgcagggt	gtagttgggt	ttccaggcct	atztatatgt	240
ttgattgtgg	ttggatatat	aaaggagttt	ctttcatttc	agaatgcctc	cagtctcatt	300
ttattatata	aaagagtcca	gaattttttt	tcccttcaca	aatccttcaa	catcaggaca	360
aggcatgtta	agttacaaat	cacctttggt	catcatcttc	ttcttgagtc	acagggtctga	420
aaggcaatgt	agtttgtcct	ctttcaggat	cagacattcg	gagaattctt	atcagtttac	480
tggatggaag	tgaactcatg	ctttgagggt	tgagcaagat	aaactgtcta	aaacgctggg	540
aatctgccat	cttcagtatc	aagtccatgg	caattctcct	attaaccata	tccatgtaga	600
catcaaattc	atccaggcat	ctgaaaggag	attctgcgat	ggaccacagg	gaaagaataa	660
aacacactgt	ggagaaagaa	cgttcacctc	cagacaaggc	tctcatgtca	ttgaaagcag	720
ctttattttcc	ttctccaggc	tgaactgata	tacttagagt	ttcattcttg	tggtcaaaat	780
tcattttttcc	acaattaggcc	cgctgagata	gtaagttgtc	aaagtataat	ttgcatcgta	840
aagtcacaac	ccttctaaat	gtgtgatata	tcttgaatct	gtgctccatg	atctctccca	900
gtaattttaat	aaactttttt	aaagtcctca	ctttactatc	cagatcaaga	taggtctctc	960
ttgcttcttg	gtactgcctc	attatttcct	ctcgactctc	atgactagca	tggtctgcct	1020
gtatcttctg	ccttaatcga	ttaattttct	tgtccagaat	tgatgcagat	ttttctactt	1080
ctatacgctc	tgggcagatt	tgtcttgctt	gtgacatttt	ctcctctagt	tctttctctt	1140

tcatatccag	ttctcgtttc	tttttattta	aggatatcaa	gtgtttcttt	tgtttttctt	1200
cataatgtcg	tttccctcgt	ttttggttat	ccacttcaga	atcagcaagg	tttaattcat	1260
ccttaagtgg	gtctgctagc	tccgatagtt	gattaatttt	gaatttaatt	gcatcatact	1320
tattttctgc	ttctattttc	agacttttaa	gatgctccat	attttctttt	tgttgctcca	1380
tatgttcctc	aaccattttc	attttgcttt	tattttcctg	agcttcatct	tccaaagttg	1440
caatatctac	agactgggtg	tcttctatgt	tctcaagttc	ccgaatttca	gaaatatatt	1500
ttcttatttt	catcttttag	tctttataat	gtagttggca	cctttttaaga	agttcctcat	1560
tgtgtttaat	atctttttca	agggcagata	aatgttgctg	aagatttaat	atctgggccg	1620
tcttattttc	aacctcattc	tccaagtcac	ttatttcaga	atccacatct	ctgcttagga	1680
acttaggtct	tgtattttca	gatgaataat	aacgtcctgc	aaaaacttga	tcaccatcag	1740
cagtaaaagc	ttctctacaa	tttttggttg	gcttttggtg	ctgcattact	gcacgagcta	1800
cagaattatt	tttgattagt	agcactgtct	ctatgcctct	catgtcaatt	aggctatttg	1860
ccgcaaccgc	attatctatt	tctaaagctg	tcagaactgt	tggaagtct	ggatgataag	1920
cagctctgtg	tcttacatca	tatatctcat	tccgacactc	agaaactatt	atcgggtggc	1980
gtgaggtcca	tggtaaataa	aaccttttca	tgagtgcctg	aaggaccctt	tcatcagcat	2040
gattatggca	acaataggcc	tgcaagagcc	cttttaagca	agattcaata	gcaaagcaa	2100
gttctgggtc	ccgaagatga	atgcaagctc	ctaaagggcc	tacaggttta	taggtaaaat	2160
gtccttgtct	ataagcatca	tctatggctt	caagaagagc	tggaacatta	gggccaaatc	2220
ttttgagtcg	atcagtttta	ctatctttca	attctttcag	ttgcccctga	ttgtagctca	2280
gtgcatgctt	cacatctaatt	tcttctctct	taattttgcc	atgttcttct	ttgtcctttt	2340
ctatggcttg	ctgaaactgt	tcgatctctt	gattgactga	attttcttga	ttttgaaagg	2400
cctttactct	ctcttttaac	caagatatatt	ttttttgtct	ttccaaccgt	tcaggttcca	2460
aagattgggtc	agtacttttt	ttcagctctt	caattcggtt	acaaagctgc	tcatcatctt	2520
tctttaatgc	tttatattcg	tttaaggatc	ggttatataa	aacctcagct	tcattatagg	2580
cccttttctt	agcaacaaca	tctgctttca	atgccatata	ttctgggtgct	cgtgcatttg	2640
tctcttcact	aatcttttct	agtttgtctt	gaatatcctt	gtacttttgt	tctgcctcat	2700
taagtctgac	ctgctgttct	tccattttcc	tgtcaagtct	agcagcacga	tcttctccaa	2760
ttttgatatt	atctctgatg	gcattcaatt	gtttttcaat	ttcatt		2806

<210> 5314
 <211> 1725
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1726)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (5)...(224)
 <223> similar to gi5107000 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5314						
gacttcccgg	ttcgagggct	gcttggcctg	cgccacggcc	tacttcatct	tcctctgcat	60
ggagacccac	tatgagaagg	ttctcaagaa	gatttcccgc	tacatccagg	agcagaatga	120
gaagatcttt	gcacctcgag	gcctcctact	tacagaccct	gtggagcgtg	ggatgagggg	180
tattgagatc	tccatctacg	aggaccgggtg	cagcagtggc	agctccagca	gcggcagcag	240

cagcggcagt	ggcagcacga	gcggtggggg	tggtggggcg	ggggcccgg	gactggccga	300
gagtcctgt	agggaggtgt	atggccggag	tgagggcctt	gcagacctgc	ggcgctgcg	360
ctaccagagc	acccgcttct	gagtcattct	ttgggtctac	cctgctgcc	ggggtgggag	420
ggaggggtgac	gggcctcata	tttctgtgg	gccatcaacc	tatgccccct	gtccctcacc	480
cccgctctgga	tcagtccatt	tcctgacctg	ggggcttttc	cttcccgatg	gggctggtct	540
gggccacaca	gagacagatc	ttcctaggaa	ggctgggggtg	gggagaacac	aacctaggcg	600
gcccctctct	tccacagccc	ctctcccaac	cctgcgaggg	gggcccaggc	ctaccacata	660
gaggactccc	acactgcatg	acccctcatc	ccaaacccat	atccaccagg	actctttccc	720
ttggggccctg	cgtcccgtgg	ctgtctccca	gtatctgttc	cttctcatgc	ccctgcaggg	780
ccccggcctg	tctatgatcc	tgcctccacc	aaattcaagg	tgtggggaga	cgggtgccgt	840
ggttgggagc	tgttcagcgc	actcctgacc	tcttctagac	ctatggcttt	cctgtcctgc	900
attcagagct	agaggccagc	tcggccttgc	gagaagcatc	caactttgag	actttgcagg	960
ctgccaggtg	ctggttgggg	ggcacagagc	ctggggctct	gggaggtaat	atgggggtct	1020
gggaaactcc	gtgaagagac	atagccatgc	ggggcctgaa	tctcctgaac	tacagccagt	1080
ttcctgagat	tagaacctgt	gtgtatgcac	atgtgaatgt	atgtgtgagt	gcacatgtgt	1140
gtaagtgcag	tgtgcgtaaa	tgtgtgagtc	tgcgtgtggt	agcatgcctg	tatgtgagcg	1200
cgtgtgtgag	cgcattgtgtg	tgcaccagtg	cacaagtgt	tgaatgtgga	cacatttata	1260
agcacacctg	tgtgtgtctg	agtacatgtg	cacacacgtg	tgcacaaatg	tgcatttata	1320
tgatgtgtag	tgcattgcatg	tgcattgaaca	tgtgtgcaca	agcatgtgtg	tatgagtgtt	1380
catgtgtatg	agtgtgtgtg	tatgcaggtg	agtgcattgtg	tgtgtgagtg	tgtttgtgtg	1440
ttcccccttg	ctgccaggcc	aacgactgct	tctctgcatac	ctgctgtctt	cgctacctga	1500
gggtctgtga	cttcttccct	gtgtgggtcc	agcctgacc	cctgtaagta	aatgtccaaa	1560
agccccctgc	ccctccccta	ggggctaccc	agggaacata	ctcttactgg	cattatgttt	1620
ttagttggga	ggagggaaggc	cnggggtttt	taggggaaag	gaaggagncc	aaacttttgg	1680
ttgggccttt	tggtggcccc	ctnttcaggt	tccccatgaa	caagg		1725

```
<210> 5315
<211> 2185
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(2075)
<223> similar to gi2822143 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5315						
atgtgtagct	caattctgaa	ggacattctg	cacctggctg	agcacgatgg	aacacaccct		60
gagcaagggc	tgtacacatg	tgcagcagag	catgacctgc	acaaaaagga	gcagattaga		120
gagaagctca	ccagaagtga	tgagtggagg	ccttcatttg	tgaaccacag	tgctcacgtg		180
ggagagagga	acttcacatg	cacgcagggt	ggcaaggatt	ttactgccag	ctcagacctt		240
ctccagcaac	aggtcttaaa	cagtgggtgg	aagctgtaca	gggataccca	ggatggggaa		300
gcctttcaag	gtgaacagaa	tgatttcaac	tccagccaag	gtgggaaaga	cttttgccac		360
caacatgggc	tgtttgagca	ccaaaaaacc	cataatgggg	agaggcctta	tgagttcagt		420
gaatgtgggg	aattgtttag	gtacaactcc	aaccttatta	aatatcagca	aaatcatgct		480
ggagaaaggc	cttatgaggg	cactgaatat	ggaaagacct	ttattagaaa	gtccaaccta		540
gttcagcacc	agaaaattca	cagtgaaggc	tttctttcaa	aaaggtctga	ccccattgaa		600
catcaggaga	ttctcagtag	accaacacct	tatgaatgca	ccaggtgtgg	gaaggccttt		660
cttacacagg	ctcatctggg	tggtcaccag	aaaacccata	ctggagaaca	gccctatgaa		720

tgcaacaagt	gtgggaagtt	ttttatgtat	aactccaaac	tcatcagaca	tcagaaagtt	780
cacactgggg	agaggcggtta	cgagtgcagt	gaatgtggga	aattgtttat	ggacagcttc	840
acactcggta	gacatcagag	agttcatact	ggagaaaggc	cttttgaatg	cagcatatgt	900
ggaaaattct	ttagtcaccg	ctccacactc	aatatgcacc	agagagttca	tgctggcaaa	960
aggctttata	agtgtagcga	atgtgggaaa	gccttttagcc	tcaaacataa	tgttggttcag	1020
catctgaaaa	ttcatactgg	agaacggcct	tatgagtgc	ctgaatgtga	gaaggccttt	1080
gttagaaaag	cccacctagt	tcagcaccag	aaaatccaca	ctgatgcatt	ttcaaaaagg	1140
tctgacctca	ttcaacacaa	gaggattgac	attaggccaa	ggccttatac	atgcagtga	1200
tgtgggaagg	ccttccttac	acaggctcat	ctggttggtc	accagaaaat	ccatactgga	1260
gaacggcctt	atgaatgcac	tcaatgtgcg	aaggcctttg	ttagaaagtc	ccacctagtt	1320
cagcatgaga	aaatccacac	tgatgcattt	tcaaaaaggt	ctgacctcat	tcaacacaag	1380
aggattgacc	tcaggccaag	gccttatgtg	tgtagtgaat	gtgggaaggc	cttccttaca	1440
caggctcatt	tagatgggtca	ccagaaaatc	cagactggag	aacggcggtta	tgaatgcaat	1500
gaatgtggga	aattcctttt	ggacagctac	aaacttggtta	ttcatcagag	aattcacact	1560
ggagaaaagc	cttataaatg	cagcaaatgt	gggaaattct	ttagatatcg	ctgtacactg	1620
agtagacatc	agaaagttca	cactggagaa	agaccttatg	agtgtagtga	atgtgggaaa	1680
tttttttagag	atagctacaa	actcattatt	catcagagag	ttcatactgg	agaaaagcct	1740
tatgaatgca	gcaactgtgg	gaagtttctt	agataccgct	ctacattcat	taaacatcat	1800
aaagtttgca	ctggggagaa	gcctcatgag	tgtagtaaat	gtagggaatt	gtttaggact	1860
aaatcgagcc	ttattataca	tcagcagtct	cacactggag	aaagtccttt	taagttaagg	1920
gaatgtggga	aagacttcaa	caaagtgaat	actggtcagc	gccaaaaaac	tcacactgga	1980
gaaaggtctt	atgagtgtgg	tgaatccagc	aaagtgttta	aatacaactc	cagcctcatt	2040
aaacatcaga	taattcatat	tggaaaaagg	ccttagtgga	gtgaatgcag	gaaagtcacc	2100
aaaactgtca	cctcattcag	caccaaagg	ttcacatcgg	accaagaacc	tattaatata	2160
tgtaaatcta	atggtgaaag	agttc				2185

<210> 5316

<211> 1446

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1222)...(265)

<223> similar to gi709961 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5316

tttttttttt	ttcgtacaaa	cataaatata	tttaaatttt	ttaactgtaa	gtaaattcaa	60
acaaactggt	ataaaacaga	atacacagtt	gtctgcatag	atcataaaaa	acataaaaaac	120
cagaatgctg	ggtaggtgct	ggtggtgaaa	actgcagggc	taaaacttgc	tcaacaatga	180
actagggacc	actatggcct	aatgaacatg	gcccaccct	cctactaatg	gttttgtcaa	240
cttttgacc	ctagaaattc	agaattttct	ccttcttct	ctgccagctt	tggtcogtgt	300
ccgactacct	ggctggacag	taacttgctt	tttaaagtcc	actaagcaat	ctgtggcttc	360
tgaatggaa	acaaaagact	tgacgggaga	ttcattttaag	tcacgacgtg	tgaagaact	420
ctgcatctct	ctgctgcagc	ctgcctcttc	catccctgg	gaaggcacc	tgaaggctcc	480
tgtttctgaa	gacttgatgt	ctgcatctga	agtcttggtc	tcagactgtt	ccaagaaact	540
aaggagtccg	ccttcactgt	ggcctttttc	ctttgggttc	ttcagcctct	gctgccactt	600
cccctccaca	gttgaacatg	ctcttcact	cccttcaggt	ccatctcctt	ggtcagcctt	660
tgcaagctgg	agacaggagt	ccacatgaca	ctgatactct	ctaaatggga	ccagggattt	720

acagaggtaa	cacttctcat	tcttgtcaat	gtctagagaa	gtctgggcag	ctgtcccact	780
gtcactcttg	gtcttggcct	ctttttgtct	ccgagtcaat	actgtatctt	cctccatcag	840
accattgcag	tacatggcat	gtcgttcaat	ctttgtgggt	ggaaagcatt	ggtcacatag	900
cgggcaggat	acctggttac	tggatgagaa	ggtagaaata	gctacttcct	tctcagcatc	960
ttccttggtta	ccaacctcct	tatctgccat	tattattctg	actccatcca	agatatctct	1020
gctacctgga	gagacttctc	tttcaagggtc	aaaagtttca	gaggaactta	gctgtgtctc	1080
aggacaaaca	gtgattttctt	ctgcagaact	ctctggcata	aggactaagc	ttctcttact	1140
ggtcaaagca	gcaacacttt	gtgaagcagg	tacagagttt	ccctcttcag	aagttttcttc	1200
aacaatccct	tgggaagact	gcaaagaaat	acgtagtata	ttaaataatac	aggcacagggt	1260
gaactggctt	ctcttccttt	tttaaaaaaa	tttaattgtt	caatgttctc	cctcaacaat	1320
taacaataag	aagaaaatat	tttccataag	ccagtaagtg	tcaataaaac	aagcacatcc	1380
tgtaaagtca	gaagactggg	attttaaata	gaactaaatc	ctcgtgcca	gcttggcgtg	1440
atcagt						1446

<210> 5317
 <211> 2681
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (475)...(1170)
 <223> similar to gil769491 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5317						
ctctgtggaa	tccggcgtaa	tgtttctgca	cgcctaccog	ctcattcagg	aagccagcct	60
cgccattagg	gagtcttttc	tcacctgac	caagttttcc	cactggcttc	ttcattgtat	120
ggcattcaga	ttgcagatca	tcagttgaga	caagccacca	agattgcttc	agcacctgaa	180
aaactcgggc	gagatccacg	gccacagacc	tccaggataa	gccaggagca	ggtccctgag	240
gcctcacagc	tctcccagct	gacttcaaat	ctggcccagg	tgaatcggac	aaatatgact	300
ccctcagacc	ccctgcagac	ctcgtgtgtc	ccagaacttg	tttccactcc	tgttccctcc	360
cctcctcccg	gggaggagac	caatctggaa	gcattcttct	ccgatgagca	gcctgcgtcc	420
ctcacaatat	cccacgtcaa	gccaaagcatc	atgaagagga	atgggagctt	tccaaagtac	480
tatgcctgcc	acctgtgtgg	acggcgcttc	actctccgga	gcagcttacg	tgaacacctc	540
cagatccaca	caggagtacc	tttcacatct	agccaacagg	gagaaagtgc	cgtccccctg	600
actctctgta	gcaatgcagc	tgacctcggg	aaagatgcca	tggaagtgcc	tgaagccggg	660
atgataagtg	acagtgagct	gcagcacatc	tctgattctc	ccatcatcga	tgggcagcag	720
cagtcggaaa	ccccaccccc	ctcagacatt	gctgacattg	acaacctgga	gcaggccgac	780
caggagaggg	aggtgaagag	gcggaagtac	gagtgcacaa	tatgtggacg	caaatttatc	840
cagaaaagcc	actggaggga	acacatgtac	atacacaccg	ggaagccttt	caagtgcagc	900
acttgtgaca	aaagcttttg	cagggccaac	caggctgccc	gccacgtgtg	cctcaaccag	960
agcatcgaca	cttacaccat	ggtggacaaa	cagactctgg	aactctgcac	atttgaagaa	1020
gggagtcaga	tggacaacat	gctggtgcaa	acaaacaaac	cctacaaatg	caacttgtgt	1080
gacaaaacat	tctccactcc	caatgagggtt	gttaaacatt	catgccaaaa	ccagaactcg	1140
gatgtttttg	ccctagacga	agggcgatcc	atttctctgg	gcagtgggga	ctcggaagta	1200
acggagcctg	accacccagt	gttagcttcc	atcaaaaagg	aacaagaaac	cgtcttacta	1260
gactgaatgt	cacttatctt	tttaaaaaac	tctcattttt	acaaagacta	tcttccctcc	1320
cttccctgaa	ttcagaactg	tagttctcca	tggcatgata	caaacaggtc	cttgttctct	1380
tctcctcttc	ccctttttcca	catcccagcc	ccacctctgt	aaaggctttg	tgcattataa	1440


```

acctggaatg tatcgacttt ctttcagggg atattggaaa gataatgggtc attatactta 1500
taaactcaaa ttttgagagg ttttagatta ttcagaagca tacttggaac taatgaaggg 1560
tatataataa aacaactgga atccaatttg gtaagctaaa attatgactt tccctgggta 1620
aaaagtcttc tcagaaaaaac aatgtcagaa aataacagcg tgctgcttag aaatacggct 1680
gggctctgta ctatgcaaaa tctagaaagt gtggggaaac tttaaaccga agaaaacggt 1740
cttagtattc atcctccagg tgtcttactt cagaatgcat cctttgagat tatgtccact 1800
taagagaaat catcagttaa gaaatctact ttaacaaaac aaaaaggaga aaaagtaata 1860
atgtgatggc aatcttaatt tttgggtaca acatgacaag ctgtgagttt gtgtgtttgt 1920
aagagaaaaa tgtgtgggta cttgctaata aacagggtgaa ttaatgcaca tccttatctc 1980
attgctggct tctttccaag ttgagcaaca acaaaatgct gtatttgagt ttctgacaaa 2040
tttgttttaa aaatcaaatt tgaatgtact attctataaa ttgcctttct gaatagaaca 2100
tgacatgcc a ttttctagca gctgccagt gataatgttt ttacactaac ttttaaataca 2160
gtgtgtgttac tgcaggggaaa aggatataag aatactcatc ttacagggga atttgtgacc 2220
agaagatgta gtaacttcaa tgactgaaag tcaatgctga tagtttactg gcaacattaa 2280
ttgaagcatc aaaaataaat ggcaaaagaga aatcaggaca aaaaatctaa ttgctgtttg 2340
ggaaaaaaact tgattttgat gtttattctc cagggtttttg gttgtttttt tttctttctt 2400
ctttcttaat gcctgaaaatt ttctccattg gcccgaaaagc agtaaaaatt gttcattaat 2460
cttccgttag gccataaaaa gaagggcctc acaagacaaa acaggagcca gaagtaagga 2520
ctgaaggaga aggggagaaat agctaatagc tatagtatat gtatatgtta aaaactgaat 2580
atcccatcat cctatttcat gtatagttga gttctcaaat ttgtaagttt ttatacatcc 2640
tttcattgaa taaacgttta attaaatgac taaaaaaaaa a 2681

```

```

<210> 5318
<211> 1044
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (973)...(379)
<223> similar to gi2760121 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5318
ttttttcaat attacaacaa tctttatttg aaaaccccaa gtattttgtc ttgaaaaatc 60
agcaatccag gtattaaaaa tagcatggaa tgcccaattt tactttgata attacatgg 120
agtcagtttc cgctcctggc taaagccttg gattttcttc tgggcagttc cttaaaggcac 180
aggtggcatg gaagaaatca ttccattttc gtctcctccc cttatttgat tggggtgtct 240
ggttaccaa aagagtcac aggcccttgg attaccttct tgaactgac ttctagatcg 300
caagtcaaga ctgccatcat gttcccccaa atgcaaaaag ccttggttgc ccacctctct 360
cctttccaga acaagtgagc tgggggttgc tttcttctcc atatcctgca gcttgatcaa 420
tttttctatc aggaacattt tatctttgcc ctcattaatg atctgctcat ggagcagcct 480
tatcataatc ttccttccct ctgtgatctg ccagtaaaga taggtgatga ttagcacaat 540
gagggtgagg atgaaaaaga agtgacact tccaatgagg ttccgataga tccaaacaac 600
ccacaggtag ccaggccgtg tacttagggg gtcgatccag ctgtagatgg agtgaatgaa 660
gagaggcaga cctcgaaaag ggccacagtc agctgaaggc ttcaatctcc agatgggtgat 720
ggccagggtg cacaagaccc cgggtgaagga tgggaaaaag agcaagaaga tgaagaaagt 780
catcatctgt gaggcccgcc aggcctttgct cggaggctgg aaattcatca tcaggctgat 840
atttttggag tagaccatga tgaaaagcat aatcatttgg ataaagggca gcagggggca 900
aaagaatatg ccaatccacc ccagagtttg tgcatagatc agttgtagaa cgttcctggc 960

```

aatgtcaaac tcttgaaggc caagacttgt gatcagttgc atcccaatga ttataatcag 1020
 caaaagcgtc gggccacgcg tccg 1044

<210> 5319
 <211> 1480
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(542)
 <223> similar to gi303694 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5319
 cagagaagca agttcgagaa cgaggagttt ttttaggaagc tgagccgcga gtgtgagatt 60
 aagtacacgg gcttcaggga ccggccccac gaggaacgcc aggcacgctt ccagaacgcc 120
 tgccgcgacg gccgctcgga aatcgctttt gtggccacag gaaccaatct gtctctccag 180
 ttttttccgg ccagctggca gggagaacag cgacaaacac ctagccgaga gtatgtcgac 240
 ttagaaagag aagcaggcaa ggtatatttg aaggctccca tgattctgaa tggagtctgt 300
 gttatctgga aaggctggat tgatctccaa agactggatg gtatgggctg tctggagttt 360
 gatgaggagc gagcccagca ggaggatgca ttagcacaac aggcctttga agaggctcgg 420
 agaaggacac gcgaatttga agatagagac aggtctcatc gggaggaaat ggaggcaaga 480
 agacaacaag accctagtcc tggttccaat ttaggtggtg gtgatgacct caaacttcgt 540
 taattaatag cacagcagat gtgtgctgcc catctttaca tacacattgc ttctagttgg 600
 cagaaataat tgattaaaag accagaaact gtgataactg gaggtactac ggtctatttc 660
 tcaaccttag gcagtaatag acatcacaaa ctgccatggt tttgcactat gattataata 720
 cctgcatttc taatttttta agcatgtagc cagtaataat ttgaagtttt ttttctatgc 780
 aagcttacct tgttggcatt attttaggga gttgaaacta tcaactgtaa agctcctttt 840
 cttccacttt aattttaaag ttcattgtcat ttaaaaacaa gtcaagaaat taaaattgta 900
 tcagagggtt ttctctaata attttttcta tttttttttt tgtacttcta aatgtttggg 960
 ttatacagct tcatttttaga tgaccattct ttttttttgg tttgtttgcc ccatttcctt 1020
 ttgtgttttt atagtctata gcatttttaa actgctgatg ttgtttgcat tatttacagg 1080
 ctaaaaactt agtagcatag agctgtctgc cacagccttc tgacaaagtt tacagttatt 1140
 aaagttgcag tatectttta aatgctagta atcagcactc tttctttttt ttttttttaa 1200
 aaaaaacggg gcctccaagg gtgccccggg ggggcccata ccccggggaa aaaaggaacc 1260
 ccccgctta accccccaaa ggaccgggaa taacggcctt ttttttttaa aaaaaaagg 1320
 ttaaaagggg gataaacccc ggcccccgcc ccaaaagggt taaacctcgg gtccggaaac 1380
 aaggagtggg gggggaaaaa tcccccaaaa agaacctcta ccggaaggcc caaaaaaagc 1440
 cccgggcggc ttttggttta atccgggggt tttttaaaaa 1480

<210> 5320
 <211> 956
 <212> DNA
 <213> Homo sapiens

[illegible]

<400>	5320					
tttttttttt	ttgagaaaca	agcattttgtg	tttattaacc	aaggagaggg	aagtcaaagc	60
aatgcagact	cctaaccagt	ccctcctata	gtctgccac	ctaggccagc	tgccaaggac	120
taggaagagc	agtggatagg	ccctcccca	ctgccccgac	cccaggggtga	gttctgctgg	180
gtaaggaaga	ggaagtcagc	aaaggacaga	ggccaaggaa	agaaggagga	aacagagccg	240
ctggggagac	aggattgagg	agatcccttg	gcccctcact	cacagtgggg	agggcaaagc	300
accgcaaatz	cagccccaca	agaggaacta	agcaggagta	cactcatgtc	aaaaaccttg	360
tattggggga	ggggaggagg	gggttctcag	gtgtccaaag	ccaagaacaa	aacccttgga	420
gagtcagtcc	ttgcccaaga	atgctgggtcc	agcctctaag	cctttgcctc	cataccaagt	480
tcacaacagg	gtggagcctc	tgacacggcc	gtctagagaa	tggatgcaag	agaggtccag	540
ggaccacttg	cctctgtaag	atccgtcctg	tggcgaattc	caggcccagt	ggcgccctagc	600
cttcagctgc	tgggctctcc	cgagcctgcc	ttagcccata	caaccacttg	atcacgcggg	660
catctgcgtc	caccaccgac	acgccatagg	gaacgcgtc	ccgggcccgc	tcctcaacag	720
tcaccgagct	gcggcgggag	cagccccctt	cagagctggc	cggcccacga	ctgggcctctg	780
ccagggacac	gatatccgag	ctggcccgtg	ccaggtgggc	cacaccaaac	cctctgcct	840
cctccgggtc	caggccgcag	aagttaaaaa	agcgctcgag	atcagcggct	gccctagaaa	900
agcgctcgct	caagtccgac	ttggagcggt	ggaattccac	cacactgga	tggtga	956

```
<220>  
<221> misc_feature  
<222> (1)...(778)  
<223> n = a, t, c or g
```

<400> 5321

3883

acgggtgagg	ccaggcgaga	atgtttggcg	ctgctgcca	cccttctccg	ggaacaagga	420
acagggttac	atgagcctca	aggagaacca	gatctgcgtg	ggcgtgggca	gaagcaagga	480
tgctgacggc	ttcatccgcg	tcagcagtgg	caagaagcgg	ggcctggtgc	cagtcgacgc	540
cctgactgag	atctgagagg	agccaaggga	acccagatga	cacccttgcc	catgcctgga	600
ccttgcttct	ggccagggag	gggatcaggc	ccccttgctc	actccatacc	cttcctccct	660
ctgtccctct	cctaggtgcc	acttaccgtg	gcttaggagc	cttttgtact	ggggaagatt	720
ttattttcttg	ggtgggggtgc	cctgagtggg	ttgatcctct	gggacttggc	gnggatg	777

<210> 5322
 <211> 1980
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1778)...(935)
 <223> similar to gi3043548 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5322	
tttttttttt	tgagacagag
ctcacctcac	tgcaacctct
agtagctggg	attacaggca
acagggtttc	tccatattgg
cgcttcagcc	tcccaaagtg
tttcaaagac	cagataatth
cactatttta	tatgtaacat
aagtttacat	ttttcattga
ttttgaaagc	agtatgggtc
gctactaaaa	gaacaagact
gtctcagatg	agtaactgca
aggttactgc	cacttcatgt
aaataaatgg	tttcagtaca
atctgagaac	cacggcaagt
aatttagcag	ctggggagaat
tgcatctactc	tttgaaaaaa
tccttcacct	ctgcatcatg
ccatgtaaca	ggaaaaaaca
tctattttga	ggcagtttct
tttgctacgt	ggctgtcata
ccttctgtca	tggctggatt
gtgtttccat	ttccagtaag
tgctgggtgg	cattgggtaac
gcagagttca	gaggaccaga
ttgatttgat	tttcaacatt
atactctggg	tggaatgggt
ataatagctt	ggttaactga
ataattacag	gacctccgtg
tttagaacat	catcatatga
ccgagctcgc	ggtcgccccg
ttttgctctt	gttgcccagg
gttgcacacg	ctggagtgca
atggcgctat	60
ttcaagcaat	tctcctgcct
cggcctccca	120
tgcccagcta	atthttgtatt
cttagtagag	180
tctcaaactc	ccgatctcag
gtgatctgcc	240
aggcaagagc	caccgcgccc
agcacgggtc	300
ctgtctaaag	atggacattg
tgattgatca	360
gggtgagtgcc	taggaaacat
tctctcctaa	420
ccaaaataga	ttctactgat
gagaaaagac	480
caagagctta	ggatttcatt
540	
gaaacaatga	tttagtcaaa
tactgatgct	600
aaaggtagaa	gggtagctta
aatgtgaaaa	660
gcaaatagca	aaatagaaag
720	
atcaaaatag	tccaaaataa
780	
aatgtgatat	ttactgttta
840	
aaatacatth	atatccagac
900	
gtattattgt	tacaacctth
960	
ttttctgggc	acattcttct
1020	
gtgcaacagc	taaatggcct
1080	
gtactcgaag	agaatctcc
1140	
ccacttgggc	acggagaagt
1200	
gtttcaaaac	ttgcaccttc
1260	
taatgtaact	gtgaagcatg
1320	
tcagtccagc	cagctgcaca
1380	
gactgatgta	tatctttatc
1440	
catttaaagc	tttctcttta
1500	
gcaacaattg	gaataccacc
caattcacga	1560
aagtaatcaa	agctctttca
1620	
gtttctgaag	ttgttcagca
1680	
cggacttcga	agagcgtatc
1740	
tgtaaatagca	gtagcaggcg
1800	

cccgcgccga	gcagcaggcc	cgccgccacc	cagccccgcg	cccgggggcc	acccatgctg	1860
ccgcccgcgc	agagccgcag	cgccggggcca	gggcaggagg	ctcgcggggg	ccagcgcgga	1920
ggtctccagc	gcacgcgggc	ctagccggcca	cagcaaacgc	cacctgacct	ggctcgtgcc	1980

<210> 5323

<211> 620

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (289)...(600)

<223> similar to gi2995577 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5323

tctcgctgcc	tcacttgagc	aagcatgagc	ccggagctct	ccatgaacgg	ccaggctgct	60
ggctatgagc	tctgcggtgt	gctgagccgg	ccttcgtcga	agcagaacac	gccccagtac	120
ctggcctcac	ccctggacca	ggaggtggtg	ccctgtaccc	ctagccacgt	cggccggccg	180
cgcctggaga	agctgtctgg	cctagccgca	cccgactaca	ctaggctgtc	cccggccaag	240
attgtgctga	ggcggcacct	gagccaggac	cacacggtgc	ccggcaggcc	ggctgccagt	300
gagctgcatt	cgagagctga	gcacaccaag	gagaacggcc	ttccctacca	gagccccagc	360
gtgcctggca	gcatgaagct	gagccctcag	gacccgcggc	ccctgtcccc	tggggccttg	420
cagcttgctg	gagagaagag	cagtgagaag	ggcctgagag	agcgcgccta	cggcagcagc	480
ggggagctca	tcaccagcct	gcccatacag	atcccgtcca	gcaccgtgca	gccaacaag	540
ctcccgttca	gcattccccct	ggccagcgtg	gtgcttgcca	gccgcgccga	gagggcgagg	600
agcaccacca	gtcccgtgct					620

<210> 5324

<211> 1000

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(677)

<223> similar to gi2662587 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5324

attgccaaca	tgtttctagg	aattatcatt	ttgaagaaaa	gatacagtat	attcaaatat	60
acctccattg	ccctggtgtc	tgtggggata	tttatttgca	cttttatgtc	agcaaagcag	120
gtgacttccc	agtccagctt	gagtgagaat	gatggattcc	aggcatttgt	gtggttggtta	180

ctaggtattg	gggcattgac	ttttgctctt	ctgatgtcag	caaggatggg	gatattccaa	240
gagactctct	acaaacgatt	tgggaaacac	tccaaggagg	ctttgtttta	taatcacgcc	300
cttcactctc	cgggtttcgt	cttcttggct	tctgatattt	atgaccatgc	agttctattc	360
aataagtctg	agttatatga	aattcccgtc	atcggagtg	ccctgcccc	catgtgggtc	420
tacctcctca	tgaacatcat	cactcagtac	gtgtgcatcc	ggggtgtgtt	tatcctcacc	480
acagaatgcg	cctccctcac	cgtcacgctc	gtcgtgaccc	tacgcaaatt	tgtgagcctc	540
atctttttcca	tcttgtactt	ccagaacccc	ttcaccctgt	ggcactggct	gggcaccttg	600
tttgtcttca	ttgggacctt	aatgtacaca	gaggtgtgga	acaacctagg	gaccacaaaa	660
agtgagcctc	agaaggacag	caagaagaac	tgaggcctgt	ctggagtacg	tagaccagtg	720
tcgtcgtgag	ggtgggaccc	tgtgaaggtc	tgaccaccgt	ttcgcctttt	ttaatgccga	780
gctacccgca	gtgctgagcc	agccgtgcaa	aaggaaatct	tcaggagggg	acttctcacg	840
ttgctcagac	tgacacatgt	agactaaata	gaaacccctc	agccctaaaa	tagaaaaaag	900
aacagttctg	gactattgaa	cagccatttc	atttatttct	gttttgttta	ccgacatatt	960
cagtattatt	cttgttttct	gaattctgag	tctcttgaac			1000

<210> 5325
 <211> 1663
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc feature
 <222> (1645)...(750)
 <223> similar to gi484102 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5325						
tttaagaact	aatcaaactc	ctttaatgtt	taagcctatt	tgtatctgat	attttgttac	60
ttgcagccaa	aagcagccta	gctgatacac	aatcgtcccc	ctgccccctg	gtcaccctta	120
cagctcagag	atgaactcta	gagaaatgca	aagccccagt	tgggagccag	ccggagactc	180
tccttggtct	ttagcttggg	aaaataggac	ttgtgggggt	gggggcagca	tcagatggat	240
cacagactcc	aagcaaaggc	atgataggag	tttattttaca	gacaagacac	agcaaccagc	300
accactcag	gctctgacca	ggggaggtgg	tagacaagac	cccagatata	tataaatata	360
catataggtc	ccagcaccat	cagcaccaga	acgttcccc	gccaggtccc	tgccagaagg	420
accaagagtc	aggcaggatt	gaggacatag	aaaggagagg	gccccagtc	ttgccaggta	480
tcagtgatca	cctgttatgg	tccccatgtc	agaggaagaa	actatccttg	gccttgaagt	540
gtggacactg	aggagcatga	ggacggagag	accctctgga	ggcgccccca	ttcctgtgtc	600
cagcctgtgc	cctcaatgcc	aaggccacag	aagcgaagtg	ccagcaggag	cagcttgggg	660
aatggagaca	ctgcaggccc	ctccaggacc	atccaggagc	caggcatgga	ggtgggggtc	720
taggccatgg	ctgccccatca	cacaggagcc	tcccccagtt	tgctgggtggc	acttgtgact	780
cgcttattct	cccggagggt	tcggaggcgg	gcgctgaggc	tgctgatctc	ttccacatag	840
gcctggggca	cccacccctt	ctcaccatct	gccaggcgga	ccccttcag	ccagccgtca	900
ctggtccagg	tcctcactga	caggatgtca	gtcttctcca	aggtcagctc	atctgggtgc	960
agtgccttgt	atgtcctaac	acactgaacc	tgggggcaat	cttccccctc	actgatgacc	1020
tccttgtcct	cctgggggct	ggaggggcac	aaggctgaga	tccatcgctg	cttctcactt	1080
tccgtccggg	cccgcagcag	gaactggtgc	ttcatgtgct	gcccgtggag	gagctggagg	1140
aggaacacgt	ggccggggat	gccctgcagc	ttcaggctca	ggtcccgcac	ctgcagctca	1200
gccatcttgg	catggacgaa	aacggcaaac	ttccctagct	ccttccgccc	agagagcagc	1260
aagcagtcag	tgaagaggtg	gaggtagact	gccttgctgg	acagcttcag	cttggcaggg	1320
ggtgctgcag	gcagtggtgc	cagctctacc	aactctccat	gccgaaccag	ccagcggggc	1380

tgagagatca	gcggggaaaat	cttgcctca	aagtggatct	tcttgctcag	gtggatgagt	1440
tcctctgtcc	tcttcatgga	ctgtacacta	gcattgcact	cctgcaccag	ctccttgagc	1500
gcattgaagg	ccttggtggc	catgtcttcg	tcttcagagc	cctgtgctgt	ccgcttcagg	1560
atgttctcca	ccaacatctt	gaggcggtg	atcctctgga	agggcaggat	aaggaaggag	1620
gtaaggggca	gacgctggca	cgaattccac	cgactgtgc	taa		1663

<210> 5326
 <211> 3455
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3456)...(1981)
 <223> similar to gi436222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5326						
tttttttttt	ttgaagcact	gttttaaaac	aacttctcaa	atatttttaa	ctcatgtggt	60
taacatggta	ttgtataaaa	agaaaaaaa	aacaccactc	aatacttact	aagccttgca	120
gacagctcag	agttgaggca	gcatattggg	catagagatc	ataggatttg	tattatccct	180
tgcaagatgg	aactccaacc	aacaccagaa	ttttccaatt	caaattcagt	tttagtcgag	240
acccagcat	aatTTTTtaga	aaaaagattg	gattgtttgt	tttcttttaa	ttttccattc	300
ctatttagac	aatgaccag	aggcaatgac	aaaagtaact	gtttaaaagg	gatttctctc	360
cagaagtttt	ttctaaagg	ttaagtccag	gctttccatc	cttctctcca	tcctttttca	420
ttttaaaag	aagggttttg	gaatatgtca	acctttactc	agcttgctat	acaaagccac	480
tgcttttagtc	ctagacataa	tgccaggact	catctcccaa	acttctggtc	ttaatcaagt	540
tcattgcttg	ttgctaaaga	agctcatggt	aatcccaaag	tcagcacaat	cccaacctta	600
aaaagcagac	agctgattgc	atcacttacg	acatacacca	tcttgaggca	aaagaagcca	660
gtcagacacc	ccttgtttgc	tacgtgtgag	acacatcagc	agttgagcct	gaccccttcc	720
gcagagctca	ctgtgcaaaa	tcaccagcac	accactgcaa	tcactgagc	tcaccgctg	780
tccagccata	atggaagtca	cttgaagggt	atcattgtaa	tagatgattt	tccataagta	840
actaataaaa	atgttttctt	tgatgtttag	acctactaac	aattcagtct	ctccctctcc	900
atcctctctt	agggagcctg	tacttttaag	caaataaggga	agctaaaaat	acaaaggagc	960
aacatccatt	tataaataaa	tgtgtgcctt	atcttcctca	ctaacttcct	ggaaaagtgc	1020
tgtttttgaa	tattctgttt	tcttaaggag	aaattttttg	taaagttagc	acactgtata	1080
taggaaggga	tttctctttt	tagtctttat	ctcattgtac	gggtttcact	ctctaggtat	1140
tgagagtggg	ggaggagggg	atcaacaaac	cgcaaagagc	agcataaagc	acaccccgta	1200
tcagcagcac	ggcagctcct	ccaatatcgt	caatgctgac	tcgaggtaat	ttctggtgga	1260
gttgaacaca	tcattaaatt	tctatttgtg	ttctgcctga	ggcttttccc	taaccactaa	1320
ttgcaagtga	aggtcccaga	gagcttttgt	gaaaggaaca	gaacacaagc	cacgtcctgg	1380
tctgtagcca	ggtgtccgtg	tactgcataa	tggaggaaga	ggattacagg	gagattttca	1440
cttcagcctt	tagtccaacc	aaaacttaaa	agacttacag	agaacagcct	caggaggtta	1500
ggggacagaa	gtgtggtact	gcaggaagac	aagaggggta	aacgtatcca	gcagaatgta	1560
aggataagaa	acaccacat	gaattcttag	aatacagagg	aacaagaagg	aataattcct	1620
gtgccatatg	cggaccaggg	catagggtga	gtggagcaca	gtgggttagc	cactaaatgg	1680
cttcagtgag	aattctgaaa	actgttccag	tataattttg	gagtaaattcc	ttctcctgga	1740
caggtcaaag	actgtgcttt	ttaaagtgtca	ttagaaggta	acagcttttt	gcctcctgct	1800
tccagatgat	ttccttttgg	ttaaaaacca	gaaatagtat	aaacctcaca	ggatgaaaga	1860
acagtctttt	gatacagggtg	aggtggagat	ctagatgaac	ttacatagta	agtgaggagt	1920

09493733E 043100

```

acattttcttg gtctttctccc ttgaccactc caagtctctg atctaccaga gatggcagtt 1980
tattttcctct ggaagaagcc agtaatggac acctgtctgt tggctttgcc cagagcagca 2040
gtcccttttct tggggccctt tcgttctctt ctgggttctt ttttcacagt catggcaggg 2100
ggctctgtgta ctgaggatgt cttcatgtta agctcctctt cactatctgt gcaggattca 2160
ctctcgtaga ctttttcagt cactatgcag ccttcccat ccaggtaagt tttagatttt 2220
agtacgcgtt ttcgttttct tttgttttct ccacttgagc tcttgacaga aggaggttca 2280
ggctcagtc tttggcactgg ttcaagagggt ggagacggag gaggaggtgg ggatggtgac 2340
tcagcttcat aagccccagg agagtctgga aagacttcat cttcactgct atcagattca 2400
ggaagtttga ttcttctcct ctttttcctc atgttttcag tttcctttgt ctcacatca 2460
gataatgcta ctgcgttccc cttttttttt tccttctgca gcaccttaac aggtctgct 2520
tttttgctgg attttttcag gcctgcagga gttgccagct ttggttccgt gacagacact 2580
gtaggctgct ccactatttt ttcttctttc actgcttgtt ctgagtcca attgacttta 2640
aattttattca tagcagcttt tccaaaaaag ttgctcatca tattcccttt cctgggtgcc 2700
ttgttgccctg ctgcagatgc atttggtact tctttagcct ctgttttctg ttccttggtg 2760
gtttcttggg ttttagcagc agctttggag gcaaaccatt ccataattcc tttgggctgc 2820
tgggaaacct gcttggtatgc aggtgggcca tgaccattgg tggtcagctc attgttggt 2880
tgtgtctcac ttgacatgtg aagatgtgac tgctcaact ttttggaga cgaagaggat 2940
tcagcaggag ctctggggac ggcagctgca cattgtatag cactaaattt gctgcagttc 3000
tgcaagttgc ttttaaggat gtcatagtca gtattgaaca gaggccact gtccttttagc 3060
atggctttct ggatgctgta cacatggatg ctggcagtc cagctagctt ggacttcact 3120
gcttccaatt tatcttctct cactactgca acctgtggc aggaatgtcc attctgaatg 3180
agactgccag acaccaagta ggtaacatgc agttgggctc ctgaattttc ttttcgtttc 3240
ctttcaacat aatcatacag catctgtttg gcctgggtta catgaacccc tagtgtatag 3300
ctcagccatt tgtatgtcac gatcttggtt tgggtccgtg cgaactcgtc tatattttcc 3360
agataaagct ggtccgccat ggtgcggcag cgctgggacc cgctctaac ccctctctca 3420
atcacagcca cagctcccgc cggcgggaaa cgtct 3455

```

```

<210> 5327
<211> 2102
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (26)...(1969)
<223> similar to gi4322263 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5327
accgggtcg acgatttcgt ctgcgccac cccactggtg actgccgggc ccttgtgac 60
ccccactcca gcagggacct tcgacccgc tgagaaacaa gaaacaggct gtccctcttt 120
gggtctggag tccctgcgag tttcagatag ccggcttgag gcatccagca gccagtcctt 180
tggctcttga ccacaccgag gacggctcaa cattcagtc ggcctggagg acggcgatct 240
atatgatgga gcctggtgtg ctgaggagca ggacgcgat ccatggtttc aggtggacgc 300
tgggcacccc accgccttct cgggtgttat cacacagggc aggaactctg tctggaggta 360
tgactgggtc acatcataca aggtccagtt cagcaatgac agtcggacct ggtggggaag 420
taggaaccac agcagtgga tggacgcagt atttctgcc aattcagacc cagaaactcc 480
agtgtgaac ctctgcgg agccccaggt ggcccgcttc attcgctgc tgcgccagac 540
ctggctccag ggaggcgcgc cttgcctccg ggcagagatc ctggcctgcc cagtctcaga 600
cccaatgac ctattccttg aggccctgc gtcgggatcc tctgaccctc tagactttca 660

```



```

gcatcacaat tacaaggcca tgaggaagct gatgaagcag gtacaagagc aatgccccaa 720
catcacccgc atctacagca ttgggaagag ctaccagggc ctgaagctgt atgtgatgga 780
aatgtcggac aagcctgggg agcatgagct gggggagcct gaggtgctgt acgtggctgg 840
catgcatggg aacgaggccc tggggcggga gttgcttctg ctctctgatgc agttcctgtg 900
ccatgagttc ctgcgaggga acccacgggt gacccggctg ctctctgaga tgcgcattca 960
cctgtgccc tccatgaacc ctgatggcta tgagatcgcc taccaccggg gttcagagct 1020
ggtgggctgg gccgagggcc gctggaacaa ccagagcatc gatcttaacc ataattttgc 1080
tgacctcaac acaccactgt gggaagcaca ggacgatggg aaggtgcccc acatcgctcc 1140
caaccatcac ctgccattgc ccacttacta caccctgccc aatgccaccg tggctcctga 1200
aacgcgggca gtaatcaagt ggatgaagcg gatccccctt gtgctaagtg ccaacctcca 1260
cgggggtgag ctgctgggtg cctacccatt cgacatgact cgcaccccggt gggctgcccc 1320
cgagctcacg cccacaccag atgatgctgt gtttcgctgg ctccagcactg tctatgctgg 1380
cagtaatctg gccatgcagg acaccagccg ccgaccctgc cacagccagg acttctccgt 1440
gcacggcaac atcatcaacg gggctgactg gcacacggtc cccgggagca tgaatgactt 1500
cagctaccta cacaccaact gctttgaggt cactgtggag ctgtcctgtg acaagtctcc 1560
tcacgagaat gaattgcccc aggagtggga gaacaacaaa gacgccctcc tcacctacct 1620
ggagcaggtg cgcattggca ttgcaggagt ggtgagggac aaggacacgg agcttgggat 1680
tgctgacgct gtcattgccg tggatgggat taaccatgac gtgaccacgg cgtggggcgg 1740
ggattattgg cgtctgctga cccaggggga ctacatggtg actgccagtg ccgaggggcta 1800
ccattcagtg acacggaact gtcgggtcac ctttgaagag ggccccctcc cctgcaattt 1860
cgtgctcacc aagactccca aacagaggct gcgcgagctg ctggcagctg gggccaaggt 1920
gcccccgac cttcgaggc gcctggagcg gctaagggga cagaaggatt gatacctgcg 1980
gtttaagagc cctagggcag gctggacctg tcaagacggg aaggggaaga gtagagaggg 2040
agggacaaag tgaggaaaag gtgctcatta aagctaccgg gcaccttagc ttaaaaaaaa 2100
aa 2102

```

```

<210> 5328
<211> 2168
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1487)
<223> similar to gi3366802 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5328
gaattctcca ccacaacaaa cagcccactc ccatggccta cctggacaag ctggacctga 60
cagacaacca tctgaccaca ctgcccctgg ctggacttgg gggcttgatg catctgaagc 120
tcaaagggaa ccttgctctc tcccaggcct tctccaagga cagtttccca aaactgagga 180
tcttgagggt gccttatgcc taccagtgcg gtccttatga gatgtgtgcc agcttcttca 240
aggcctctgg gcagtgggag gctgaagacc ttacacctga tgatgaggag tcttcaaaaa 300
ggccccctgg cctccttgcc agacaagcag agaaccacta tgaccaggac ctggatgagc 360
tccagctgga gatggaggac tcaaagccac accccagtgt ccagtgtagc cctactccag 420
gccccctcaa gccctgtgag tacctctttg aaagctgggg catccgcctg gccgtgtggg 480
ccatcggtgt gctctccgtg ctctgcaatg gactggtgct gctgaccgtg ttcgctggcg 540
ggcctgcccc cctgcccccg gtcaagtttg tggtaggtgc gattgcaggc gccaacacct 600
tgactggcat ttctgtggc cttctagcct cagtcgatgc cctgaccttt ggtcagttct 660
ctgagtacgg agcccgtgg gagacggggc taggctgccg ggccactggc ttcttggcag 720

```

tacttgggtc	ggaggcatcg	gtgctgctgc	tcactctggc	cgcagtgcag	tgcagcgtct	780
ccgtctcctg	tgtccggggc	tatgggaagt	ccccctccct	gggcagcgtt	cgagcagggg	840
tcctaggctg	cctggcactg	gcagggtctg	ccgccgact	gcccctggcc	tcagtgggag	900
aatacggggc	ctccccactc	tgcttgcctt	acgcgccacc	tgagggtcag	ccagcagccc	960
tgggtctcac	cgtggccctg	gtgatgatga	actccttctg	tttcttggtc	gtggccggtg	1020
cctacatcaa	actgtactgt	gacctgccgc	ggggcgactt	tgaggccgtg	tgggactgcg	1080
ccatggtgag	gcacgtggcc	tggctcatct	tcgcagacgg	gctcctctac	tgtcccgtgg	1140
ccttcctcag	cttcgcctcc	atgctggggc	tcttcctgt	cacgcccag	gccgtcaagt	1200
ctgtcctgct	ggtggtgctg	cccctgcctg	cctgcctcaa	cccactgctg	tacctgctct	1260
tcaaccccc	cttcgggat	gaccttcggc	ggcttcggcc	ccgcgcagg	gactcagggc	1320
ccctagccta	tgtgcggcc	ggggagctgg	agaagagctc	ctgtgattct	acccaggccc	1380
tggtagcctt	ctctgatgtg	gatctcattc	tggagcttc	tgaagctggg	cggccccctg	1440
ggctggagac	ctatggcttc	ccctcagtga	ccctcatctc	ctgtcagcag	ccaggggccc	1500
ccaggctgga	gggcagccat	tgtgtagagc	cagaggggaa	ccactttggg	aacccccaac	1560
cctccatgga	tggagaactg	ctgctgaggg	cagagggatc	tacgccagca	ggtggaggct	1620
tgtcaggggg	tggcggtttt	cagccctctg	gcttggcctt	tgcttcacac	gtgtaaata	1680
ccctcccat	tcttctcttc	ccctctcttc	cctttcctct	ctccccctcg	gtgaatgatg	1740
gctgcttcta	aaacaaatac	aaccaaact	cagcagtgtg	atctatagca	ggatggccca	1800
gtccctggct	ccactgatca	cctctctcct	gtgaccatca	ccaacgggtg	cctcttggcc	1860
tggctttccc	ttggccttcc	tcagcttcac	cttgatactg	ggcctcttcc	ttgtcatgtc	1920
tgaagctgtg	gaccagagac	ctggactttt	gtctgcttaa	gggaaatgag	ggaagtaaag	1980
acagtgaagg	ggtggagggt	tgatcagggc	acagtggaca	gggagacctc	acagagaaag	2040
gcctggaagg	tgatttcccg	tgtgactcat	ggataggata	caaaatgtgt	tccatgtacc	2100
attaatcttg	acatatgcca	tgcataaaga	cttcctatta	aaataagctt	tggaagagaa	2160
aaaaaaaa						2168

<210> 5329

<211> 1116

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (17)...(284)

<223> similar to gi3413896 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5329

aatacatgtc	ccctagcctt	tgaccactgt	cagccacctg	tgtcccttga	gccttcgggt	60
cttcacttcc	cacttggaca	tcactgctgg	acattcccat	cgagatgaca	cctgggttcc	120
aatcccagct	ctgcctttga	agcacttgcg	gccaccgtca	agtccttttg	ctctcgacc	180
ctgggtttct	catcctttaa	tgagggtggg	tcagaagctc	tcccatcttc	acagcaacc	240
tggcactggc	ttctcaatgg	gagggaagca	gcagagaaac	tgaagtgtta	gacactatgt	300
gtcccaccac	ccattacag	agacatatga	caatgttcag	caggctcatct	ttaatgcaga	360
ggaggagatg	ggatgtcact	cgctgtctgg	aggcacgtgg	gtggtgtgcg	ggccctcact	420
ggccagcctc	tgggtggccc	cgcctatccc	agtatgaacg	tagccaactc	aagccctcta	480
ctgtgtctca	gcccacgaag	cctttgtagc	cttcactctc	cagcagttga	aacagatagg	540
ggaaattcag	ctctccgggg	ctgctgggct	cccctcgacc	tgggacctgt	gccacctgca	600
catgcccac	aatgggcagg	aactcccgga	tgtttcctgt	caggttccca	tccatgatct	660
gccagtggaa	tatgtccatt	tgtaatggga	ggttgggtct	tctaccttc	tgtaatgagg	720

gaccgagaga	gcaagaaggc	tgacaccaac	gccccgacag	atattgacag	ccccaaaaac	1860
ctggtgactg	accgggtgac	agagaatatg	gccacggtct	cctgggaccc	ggtgcaggcc	1920
gccattgaca	agtacgtggt	gcgctacacc	tctgctggtg	gagagaccag	ggaggttccg	1980
gtggggaagg	agcagagcag	cacagtcctg	acaggcctga	gaccgggtat	ggagtacatg	2040
gtgcacgtgt	gggcccagaa	gggggaccag	gagagcaaga	aggccgacac	caaggcccag	2100
acagacattg	acagccccc	aaacctgggtg	accgaccggg	tgacagagaa	tatggccact	2160
gtctcctggg	acccggtgcg	ggccaccatt	gacaggtatg	tggtgcgcta	cacctctgcc	2220
aaggacggag	agaccaggga	ggttccgggtg	gggaaggagc	agagtagcac	tgtcctgacg	2280
ggcctgaggc	cgggtgtgga	gtacacgggtg	cacgtgtggg	cccagaaggg	ggcccaggag	2340
agcaagaagg	ctgacacca	ggcccagaca	gacattgaca	gccccaaaa	cctggtcact	2400
gactgggtga	cagagaatac	agccactgtc	tcctgggacc	cgggtgcaggc	caccattgac	2460
aggatatgtg	tgcactacac	gtctgccaac	ggagagacca	gggaggttcc	agtggggaag	2520
gacgagagca	gcactgtcct	gacgggcctg	aggccgggca	tgagtagcac	ggtgcacgtg	2580
tgggcccaga	aggggaaaca	ggagagcaag	aaggctgaca	ccaaggccca	gacagaaatt	2640
gacggcccca	aaaacctagt	gactgactgg	gtgacggaga	atatggccac	tgtctcctgg	2700
gaccggttc	aggccaccat	tgacaagtac	atggtgcgct	acacctctgc	tgacggagag	2760
accagggagg	ttccggtggg	gaaggagcac	agcagcactg	tcctgacggg	cctgagacca	2820
ggcatggagt	acatggtgca	cgtgtgggcc	cagaaggggg	cccaggagag	caagaaggct	2880
gacaccaagg	cccagacaga	actcgaccct	cccagaaacc	ttcgtccatc	tgtgttaacg	2940
cagtctggtg	gcatattgac	ctggacgccc	ccctctgctc	agatccacgg	ctacattctg	3000
acttaccagt	tcccagatgg	cacagttaag	gagatgcagc	tgggacggga	agaccagagg	3060
tttgcgttgc	aaggccttga	gcaaggcgcc	acctaccctg	tctcccttgt	tgcccttaag	3120
ggtggtcgcc	ggagcagaaa	tgtatccacc	acctctcca	cagttggtgc	ccgtttccca	3180
cacccttcgg	actgcagtca	ggttcagcag	aacagcaatg	ccgccagtgg	tctgtacacc	3240
atctacctgc	atggcgatgc	cagccggccc	ctgcagggtg	actgtgacat	ggaaacggac	3300
ggaggtggct	ggattgtctt	ccagaggcgg	aacactgggc	agctggattt	cttcaagcga	3360
tggaggagct	atgtggaagg	ctttggggac	cccatgaagg	agttctggct	tggacttgac	3420
aagctacaca	acctcaccac	cggcactcca	gcgcggtatg	aggtgagagt	ggatttacag	3480
actgccaatg	aatctgccta	tgctatatat	gatttcttcc	aagtggcctc	cagcaaggag	3540
cgttataagc	tgacagttgg	gaaatacaga	ggcacggcag	gggatgctct	tacttaccac	3600
aatggatgga	agtttacaac	ttttgacaga	gacaaccgata	tcgcactcag	caactgtgcc	3660
ctgacacatc	atggtggctg	gtggtataag	aactgccact	tggccaacc	taatggcaga	3720
tatggggaga	ccaagcacag	tgaggggggtg	aactgggagc	cttggaaagg	acatgaattc	3780
tccattcctt	acgtggagtt	gaaaatccgc	cctcatggct	acagcaggga	gcctgtcctg	3840
ggcagaaaga	agcggacgct	gagaggaagg	ctgcgaacgt	tctgatggcc	cgtgtgagca	3900
gtcctcgag	gagacaccac	cagctgtggc	agcttggggc	ggggtgggta	gtggtcactg	3960
cggctcggga	gtgctcagat	agcccgcaga	acaaatcatg	tcaccaagct	tcaagccatg	4020
gaggttcctt	ccctctcacc	tgcatttttg	cccgctttta	tgaggggtctt	gaaaatcaaa	4080
atagtagttg	cacagtatgt	gtaggaaaga	cagtactgga	acggcaagggt	ttctcagctt	4140
atcttcagca	acatatatac	tggattaggg	caagagaagg	aatcaccacg	cacttcacca	4200
gttggaatc	tctggaaatt	tacatctatg	tatttaaagt	tctgctaattg	caaattctttt	4260
ctctggaaag	aagcacagag	gaggagtttt	gatgaccacg	gggttagggc	tgagacaacc	4320
ggacgtttgt	cacctccttt	cccattgggt	ttttaggaaa	acagtgtgaa	cctccccctt	4380
ttaatttctg	gtgttatgag	gaagaataaa	ggggataaaa	ggggctaaga	tggactcatg	4440
tttagctaag	ttctgacttg	tatccagcat	gctggagacc	aaagctgccg	ccttactgct	4500
atttttaagt	gccctctttt	cagtcatttg	cataattgcg	tccatagagc	tgcataatgtt	4560
gtgaataaat	tctcactcat	ttcaactttg	aataatttga	ctgtcttgat	aattgggttcc	4620
tcccaaagac	tcttctgcaa	ctcccattca	tgtcccaccag	gcctcagact	ccctcttttc	4680
ccgcacctgc	actattggag	ccctgggttt	tgtgggagtg	ctcagcaccg	tgagtctttac	4740
tgtttgatcg	gacagtttagc	aagatcagat	cctttttgct	tattttctat	cactttggag	4800
ggttttctgt	agcaaaatca	gtgaccaatg	aagtaactta	aattcctatt	gaagaacaaa	4860
aataataaac	cacttgattt					4880

<210> 5331
 <211> 831
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (28)...(301)
 <223> similar to gil9923 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5331
 cactagtcca gcgtggtgga attccccaga tgccccctcag tcccgtttct cccagatcc 60
 acacctggcc ctccccctcc tgttccagaa tgcagcccag cccctctgcc atcctgtcct 120
 cctagcccggt ggtctccctc cacacacgcc agtcaggct ccttcccttg gtgcctgacc 180
 cctcctggct gccagcagcc cccttctggc cactgcccac tgaggaggagg ggcttctct 240
 taccctccc cagcctgggc cactgggcct ggtactgagg acctcgtgc caccacccc 300
 cactctgcca tgctacgggg ggtggggggg cggtcagtgc atgctgttcc tagtctgaaa 360
 cttgtgtcct gtgggtgcct ggtggggaac ccttgcggga aggcctggtg ggtttgtccc 420
 tgcttcccag ccagcctgtg tccccgggta tgggctgggg tctggcatgg gcctctgcag 480
 ctggccacag actgaggggc tccaaacagc actgggaaca gcctcagggt atctggttgg 540
 gggctgcaga caggggtggg gtcttctgct tggccttgac aggttgccagg caggttgtca 600
 gccgatctg caatctcatg ggggcttggg gtcttcccgg ctcatgagggt tatggcagaa 660
 ttcagctcct ggtggctggg gactgggtcc cacctccctg ctggctgttg gcccttccca 720
 gcatggcggg tgcttcccct tcagggccag caggactggc ctgaatttct ccctatctgg 780
 cgttgaaaaca ccctcaatga gctaaccctc ctccaccagg ccccaacctg g 831

<210> 5332
 <211> 1035
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (923)...(716)
 <223> similar to gi297157 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5332
 tttttttttt ttcaaattggc caaaagcaat ttaattttttg gaggaaaaac tgcataccca 60
 gtacaactta tatctcaggc gaaatgtctc aaaatcttcc tgctcattgg acaaaaactc 120
 agcttcacca cattgccagc cgggagacca tgaaaggga ctggcgccac tgccccagc 180
 tgcccttccc aggggcgaac ttcaccaaga tgtggaaatc ctgggcccac cccacagtca 240
 gtcctcgtc catttcttcc tggcaccacc acctccatct ggctcgtcc ccaaccccc 300
 agaagcagggt gggcccaggc tccaggccag tgcccccatc aagatcagac gtaaggcatc 360
 ttcccaccgt cgtgtgtctg cggggacttt tccaatcctt ccttctctc tgtccagagg 420
 ctgccagggt gagggggcca ccgtccagggt ggaacaggca caggcatcgg ggaatcagat 480

ggtatcagtg	gggatagggc	acagcacttt	cctgggagcc	atgtgacgcc	agatcttcct	540
ctggcagttc	ccactggctg	tgggaagtgg	ttttcataaa	gggggccaac	ttccaggaac	600
atctagggct	cgggagcaac	ccagcattga	cagtgaatca	gaatccacct	agagctggcc	660
atggcccagg	caggggggtg	cttccccaca	gcccccagga	gtggctgcac	ctagtgggcg	720
cagcatttgg	cctgcctcgc	gggccccttg	ttcagagcca	cagctgcatc	ccccgtaga	780
gcttgGCCct	cctcgtcgc	tctctgcagt	agctcttggg	ccactgtatt	gaacacctcc	840
gacacctggt	ggttcagttt	ggccgaagt	tccatgaaca	gcaacttctg	gctgtcggca	900
aactccttcc	cttcctgaag	gaaacagcca	caaaatccag	cgctgtttat	aagagagttt	960
cctaaggaca	cctggttcac	ttccaacagt	aagatccgag	aaagctgcag	ccgtggagcc	1020
cgccggacgc	gtggg					1035

<210> 5333
 <211> 1200
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (8)...(716)
 <223> similar to gi2507613 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5333	
ctacagctca	cgcatcgtgg
cagccttcag	ttccagggct
catcactgct	gcacactgtg
gggtctagtt	tccctgttgg
ccacagcaag	tacaagccaa
gccactcacg	ttcaatgaaa
ccccgatgga	aaagtgtgct
cgccctcccct	gtcctgaacc
cagggacgtg	tacggtggca
tggcgtggac	agctgccagg
gtggaagtta	gtgggagcga
ggtgtacacc	cgtgtcacct
aaaaacctga	aaaggaagg
ccgatcctcc	cctggactcc
tgagttccgg	caccagtagc
ccttcaagct	gctttttgtt
ctggagtgca	gtggcgaaat
tctcttgcc	cagcttcccc
atTTTTgtat	tttttagtaga
ctgacctcaa	atgatgtgcc
	tgcttcagcc
	tcccacagt
	ctgggattac
	aggcatgggc
	1200

<210> 5334
 <211> 3156

```
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3139)...(2740)
<223> similar to gi4150963 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5334					
aacaccagg	gtttttccca	accccagggt	gttaaaaccc	ggcccccgga	atattttttg	60
ggggggcccta	aaaaaaacct	ttatttttccc	aaccccgggt	attaaaaaatg	aaaccttttta	120
aaggggcccc	ccctttttttt	tttttggtcta	agttgccctt	tattaacgaa	aacatagagc	180
tttcggtcaa	ttccaccacg	gagaacacaa	accagagata	aaaccacac	caagggctat	240
ttcccaagct	ggggaatttg	agaacacacg	ggcagagttc	acgccacaca	actacactgg	300
gctcgtcctt	gggaggcggt	cacaggaagc	aatcacgagc	gccaagccac	ccacaaggca	360
gtgcggcaag	gctcccggga	tccttacagg	catccaagcg	aggtacagaa	acctccacag	420
cagtggggat	aaggggaaaa	tattttctct	tgctaaagaa	tatccttagt	tctcaacata	480
aacatgacta	cgtatatatt	cagcttcaaa	tgaaaaacaa	gtttacaaat	cactactgga	540
tacttaaaact	ctatgtttgct	tttttttttg	gcagcaccag	cctaaactct	gtggggtttgc	600
aatattttcag	aaactttcagg	tacattacag	tcttctgaga	aaggcccaga	acttcagaat	660
tcctggagcg	gctgtggaag	aagaacatta	ctggcaacaa	atattaaaa	aacatttcaa	720
gaactccaag	aatacactga	gagggttgta	aaggtgcaca	tatttaaagca	ttcaagctat	780
atcctaaatc	atttttctgt	taacgtattt	atttttggct	taggaaaaaac	atgtacttta	840
ttggcaaatt	gttttagctg	tagacggatg	gatgattcta	cagccacact	cccctttccg	900
ggtgtacatc	cggggcctgt	gcacctgcgc	ggaatcaggc	aactttgttt	ttcccggttcc	960
ccaaaaagct	cacctttgac	acacctctta	tatgcacagg	aaaactgctc	ttcttatttca	1020
gggtctcttt	ttgtggtgga	attcagagaa	actgggttgc	aacatctttt	tagggagagg	1080
tcgagtatgt	tttttcattc	gagtgactct	gcatgcttaa	ggaatctgag	tcggtataaa	1140
ggactagacc	actgaattgc	gtacagcgtc	ccaggatgcc	tgacagccca	gagtacaaac	1200
tgtagatgct	ctcgtggcct	gaatgtggaa	ttttaccac	cagaaagcat	tactggagcc	1260
caaactggca	actttaaata	gctcaatgat	atcggtacct	tccccttttg	tttcaaaagc	1320
aatcatgacc	gaacattttc	aactgtgagg	caaagctgac	ttgcatacca	aaaaacacct	1380
ttccaaaaac	attcaatgag	gtagctcaga	tcaattatca	aacccaagt	aataccaaga	1440
agcttaataa	atgctcaggc	atttttaa	gcaaattgct	acagtgccta	ataaatgctc	1500
tttcttccca	attcttgagc	gtgcattgcaa	atggttagga	ggagcccctg	caaagtgagg	1560
acagcgagag	gtgggagtg	aatgaagctg	ccaaggagca	gagaggagg	ggtgccctgg	1620
ggcacccaac	ttaggctaaa	gtgcgcctgc	ccaccacaga	gctcaagtgc	aatcagctcc	1680
agagaacaaa	caccaagtag	aactcagggc	tcgatgggct	gaaaagtggc	cttgactcaa	1740
ggcgctagg	aaccttcagc	ctggtgcatt	cacattgaga	tggaggcaat	ctaagatact	1800
tcctttaaat	gctgagttgg	tataaagtgc	tggccactg	gaccagctca	gggcagtctc	1860
tcacgttttc	cagggcccca	gagccacct	ccctctagag	gagtctggcc	cctgttgccc	1920
ccaccacacc	accctgggtg	ggttctggga	gaggccatgc	tcttagccac	tcgtcccctg	1980
agttctcacg	gtctgctcag	aggcacagac	tgctctttgc	tgggtagctt	ttcggaggtc	2040
gagctcaaat	gccttccatg	tggagtcttg	gacaaaggga	aaggtggcca	caccaacccg	2100
ggcagcaata	tgaattctgt	gacttccagc	agtaagaaag	agttcacaca	cacacaaaca	2160
ttcatgtgca	cagacacttt	cacaacatac	acacatgtac	acacttaggt	gcacataccc	2220
tactcacac	aggcacacac	atgcatccac	ttagtcaccc	acacacaagt	gcactcacac	2280
acacgcacgt	gcacagagca	gtgcacagcc	actgggcaac	atccccgggg	gcagcaagct	2340
caggtgcagc	cagggtaggg	gtgggaggga	tgcaggggcc	tggagcagg	ctgggcggtg	2400
ttgcttgggg	gaaggagccc	tcgccccacc	tcgcccctgc	tatctccctt	tcctgtcctc	2460
atcgccacc	accaccgcac	ccctgccag	ccgggcacac	tgaagacaag	cagtggggaag	2520
gaaggcagca	ggtcgcttgc	gttaggtctc	cgtcgataaa	ttatcgtagg	tcagcgagc	2580
cagtgcggga	aaactgctcc	accgcctggc	gccgggatgg	ggctctgtgc	gcccttqctc	2640

```

cttatatttta cccagaatgt ttttggttc ttctgcatcc tgcaaagggc tctctccata 2700
ttcttctcttc agccactgcc gatactgatg gacctcatgc ttctcaaact cctggagctg 2760
tctctggaag cccacgttg ggttggcaca ggatctccca gcacgcacgg tgtgcagggc 2820
atcctcccag ccaaagtcag tgacgggtcat gatgtatgcg atcaccagtg tcacgctcct 2880
ggagaccccc gccaggcagt gtacaaggca gctctcaccg cggagccggc actcgtgaat 2940
gaatttaata ctttctttga aatgtcttgt cagggtttga gatggtgaat ccgctgctgg 3000
gatgcacagg tatttaactc cctccaacat aggcctggca ctatcgtgga cagacagaat 3060
atgtgtcacc ttgttcttgc tcaattgttc cgcgtctctg gcatctttga agttgccgat 3120
gtacaggccg ggcaggatct tgttcatccc attccc 3156

```

```

<210> 5335
<211> 1757
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1742)...(1110)
<223> similar to gi3881304 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5335
tttttttttt ttccagagctt aaaaacccaa aggcagaaaa tagactttat tccaagacag 60
atttgtaaaa gatgttttta aagggaaaagg caagtcacgc tactaaatca aacattgttc 120
acaatttctg gatcttcttc ctccgcctgg cactgcagct gagccttggc ggatatgctc 180
ggggccctcg ggcagagga acttagcctc gattctcttc ctgagggggt tcttaacttt 240
tccaagccag gcagtgcgag tgggtgggagg ctgggggctgg tgccctgcgga cagctccaga 300
tggaatccca ggccacgggtg cttctagtgt cccccagcg agcttgcggt gtggcaggcg 360
gccaggaagg gccatgagca ggggtggcctg aatgaaaacc gagggccgaa gccagcctga 420
ctccctcgcc taagctgggg ctccggtccga ggcacacgca tggccttggc cagacacaaa 480
ccaagagact gccatgacag acagagcaga aacctcccga gcactgtgtt caagctaagc 540
tttcctaaga cgggcttctc aggcgagacg tgacaccaga caccgtcgca tgttacttgg 600
agagaacaga gacgtgcggg ccacagcggc ccaccaaagg ctgccatcca agctgagttc 660
cgcaggcctc acctgcagct ggagagggac cttgccctga tccctctggt aggtacccgc 720
taagggatcc aggacagagc gtcacactgc acgcagggtc ctccgccacc accatccaag 780
aaccgccggg ggcctggccac gcgctggcct ctgccaagga gtgccagtgg ttcccgggac 840
ggggccgccc aagcagggtga gggaggttta gatgaatgac ttggccaggg tcaccatgtg 900
gtccacgcca catgccacgt ccacaggctc cccaggcatc gtcaccctcc atgggaaata 960
ctggtcctcc aggcgaccga ttcccaggca cctcgggatg ttcttgcccc atacaaacag 1020
ctctcctttg ttggtcagtg cagcaaagtg gctgagtcca catcggatgc gggaaacctg 1080
gatttctggg ttgaactccg tcaagccaaa gagagtgggt ggaatcattt cagggaaggc 1140
actttccact aggtttggac ctttcccaag aattccatag cccagacaa aaacatgtcc 1200
ttctccgttt aacactgcac agcccggtgc accgcagta gcctgtcgca ccttccccac 1260
tctgagaag tgtaagcagc ggggcacatt cacctgtgtg gagtcatga cagaggccag 1320
ctgcaggtag tccgagtttc cccaacccaa aagtcctccg tcggcggaca cggccaggca 1380
gcaatcaccg taggtggcaa cttggataac gttcactccc gccaggctct caccagctt 1440
ggtgggagag ctggtgatat tgtagtgacc cagacctgtt tgcccatcag caccatcc 1500
acaagaatag acttctcctt tatccgtcag gaacagacta tgatcctgac cacaggcgac 1560
ctggaccacc tggccatcga agtcctgcat cctgtggact ctgtgacttt cactgtaa 1620
ttcattttcg accacctttc ttccacattg ccataagaa ttgtttccca tgctgaagac 1680

```


tccttccctg tcagtcaaca caagagagtg agctcggccg caggagactt gcagcacccg 1740
tgtctcctga ggtctgt 1757

<210> 5336
<211> 459
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (29)...(368)
<223> similar to gil370190 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5336
tctagtccag cgtggcggaa ttccagatgg tgtcatcgtc atgtacgatc tcacagacaa 60
gcagtcgttc ctgtcgggtcc ggcggtggct gagcagcgtg gaggaagctg tgggagaccg 120
ggtgcctggt cttctgctgg gtaataagct tgacaacgag aaggagcggg aagtcccccg 180
gggcctcggg gagcagcttg ccacggagaa caatctgatc ttctatgaat gcagcgccta 240
ctctggtcac aacaccaaag agtccctgct ccatctggcc aggttcctca aggagcaaga 300
agacacagtg agagaggaca ccattcaggt cggccaccct gctaagaaga aatcctgctg 360
tggctgatag ggtcctacaa ggactgcccc cagcaaacct gaggtcacag agcctgccct 420
gatcctgcac acggctcctg cacagatgcc acccaccgg 459

<210> 5337
<211> 1885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(1513)
<223> similar to gi436480 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5337
attgatcacg ttggaggaat tcgcgtgact acgtgcgcca gacgtggaag ctggagggcg 60
aggccctgga gcaggccatc atcagccagg cccgcaggt ggagaagctc attgctacga 120
cggccacga gcggatgcc ttggtaccaca gcagcctgac gcgtgaggag gccgagcgca 180
aactttactc tggggcgag accgacggca agttcctgct gaggccgagg aaggagcagg 240
gcacatacgc cctgtccctc atctatggga agacggtgta ccactacctc atcagccaag 300
acaaggcggg caagtactgc attcccgagg gcaccaagtt tgacacgctc tggcagctgg 360
tggagtatct gaagctgaag gcggacgggc tcatctactg cctgaaggag gcctgccccca 420

acagcagtgc	cagcaacgcc	tcaggggctg	ctgctccac	actcccagcc	cacccatcca	480
cgttgactca	tcctcagaga	cgaatcgaca	ccctcaactc	agatggatac	acccctgagc	540
cagcacgcat	aacgtcccca	gacaaaccgc	ggccgatgcc	catggacacg	agcgtgtatg	600
agagccccta	cagcgaccca	gaggagctca	aggacaagaa	gctcttcctg	aagcgcgata	660
acctcctcat	agctgacatt	gaacttggct	gcggcaactt	tggctcagtg	cgccagggcg	720
tgtaccgcat	gcgcaagaag	cagatcgacg	tggccatcaa	ggtgctgaag	cagggcacgg	780
agaaggcaga	cacggaagag	atgatgcgcg	aggcgagat	catgcaccag	ctggacaacc	840
cctacatcgt	gcggetcatt	ggcgtctgcc	aggccgaggc	cctcatgctg	gtcatggaga	900
tggctggggg	cgggccgctg	cacaagttcc	tggctcgcaa	gagggaggag	atccctgtga	960
gcaatgtggc	cgagctgctg	caccaggtgt	ccatggggat	gaagtacctg	gaggagaaga	1020
actttgtgca	ccgtgacctg	gcggcccgc	acgtcctgct	ggttaaccgg	cactacgcca	1080
agatcagcga	ctttggcctc	tccaaagcac	tgggtgccga	cgacagctac	tacactgccc	1140
gctcagcagg	gaagtggccg	ctcaagtggc	acgcacccga	atgcatcaac	ttccgcaagt	1200
tctccagccg	cagcgatgtc	tggagctatg	gggtcaccat	gtgggaggcc	ttgtcctacg	1260
gccagaagcc	ctacaagaag	atgaaagggc	cggaggtcat	ggccttcac	gagcagggca	1320
agcggatgga	gtgcccacca	gagtgtccac	ccgaactgta	cgactcatg	agtgactgct	1380
ggatctacaa	gtgggaggat	cgccccgact	tcctgaccgt	ggagcagcgc	atgcgagcct	1440
gttactacag	cctggccagc	aaggtggaag	ggccccagc	cagcacacag	aaggctgagg	1500
ctgcctgtgc	ctgagctccc	gctgcccagg	ggagccctcc	acgccggctc	ttccccaccc	1560
tcagccccac	cccaggtcct	gcagtctggc	tgagccttgc	ttggttgtct	ccacacacag	1620
ctgggctgtg	gtaggggggtg	tctcaggcca	caccggcctt	gcattgcctg	cctggccccc	1680
tgctctctct	ggctggggag	cagggagggtc	cgggagggtg	cggctgtgca	gcctgtcctg	1740
ggctgggtggc	tcccggaggg	ccctgagctg	agggcattgc	ttacacggat	gccttcccct	1800
gggccctgac	attggagcct	gggcatcctc	aggtggtcag	gcgtagatca	ccagaataaa	1860
cccagcttcc	ctcttgaaaa	aaaaa				1885

<210> 5338

<211> 1060

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(659)

<223> similar to gi5817223 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5338

cccagcctct	gcccggggca	ccccggcctt	ccaggcacgc	cgggccacca	tggcagccag	60
ggcttgccgg	gccgcgatgg	ccgcgacggc	cgcgacggcg	cgcccggggc	tccgggagag	120
aaaggcgagg	gcgggaggcc	gggactgccg	ggacctcgag	gggaccccgg	gccgcgagga	180
gaggcgggac	ccgcggggcc	caccgggcct	gcgggggagt	gctcgggtgc	tccgcgatcc	240
gccttcagcg	ccaagcgctc	cgagagccgg	gtgcctccgc	cgtctgacgc	acccttgccc	300
ttcgaccgcg	tgctggtgaa	cgagcaggga	cattacgacg	ccgtcaccgg	caagttcacc	360
tgccagggtgc	ctggggtcta	ctacttcgcc	gtccatgcca	ccgtctaccg	ggccagcctg	420
cagtttgatc	tgggtgaagaa	tggcgaatcc	attgcctctt	tcttccagtt	tttcgggggg	480
tggcccaagc	cagcctcgct	ctcggggggg	gccatggtga	ggctggagcc	tgaggaccaa	540
gtgtgggtgc	aggtgggtgt	gggtgactac	attggcatct	atgccagcat	caagacagac	600
agcaccttct	ccggatttct	ggtgtactcc	gactggcaca	gctccccagt	ctttgcttag	660
tgccactgac	aaagtgagct	catgctctca	ctcctagaag	gaggggtgtga	ggctgacaac	720

cagggtcatcc	aggagggctg	gcccccttg	aatattgtga	atgactaggg	aggtggggta	780
gagcactctc	cgtcctgctg	ctggcaagga	atgggaacag	tggctgtctg	cgatcaggtc	840
tggcagcatg	gggcagtggc	tggatttctg	ccaagacca	gaggagtgtg	ctgtgctggc	900
aagtgtaaat	ccccagttg	ctctgggtcca	ggagcccacg	gtgggggtgct	ctcttcctgg	960
tcctctgctt	ctctggatcc	tccccacccc	ctcctgctcc	tggggccggc	ccttttctca	1020
gagatccact	caataaacct	aagaaccctc	aaaaaaaaaa			1060

<210> 5339
 <211> 2481
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (500)...(848)
 <223> similar to gi5668598 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5339						
tggcgaattc	attatagacg	tgagccatca	caccagcca	cagtttgaga	ctttatgatt	60
taggcagtgc	aaagcctttg	aaaaaactgg	atcaagtttt	tacggagggt	ggtgagttgg	120
tgctatgcaa	aatgaatttg	gaggggtaag	agacaaagca	aggagaacat	tcggaaggct	180
tttgcaatag	agaacaggct	aaatataagg	aagacctgaa	ttagaattgc	ggaggaaggc	240
atggaaaagc	aagaaaaaaa	tcaagaacag	atagggtctc	gactgactgg	taggaaatgt	300
aaaaaggcca	tacattttatt	ctgaatgttg	gtatctggaa	gaatgggtgat	gctgttcaag	360
taataaggac	aaaggggaac	caggcactgt	gagcctctgt	gggggtgtgt	actcttttag	420
ctcatgtgtt	tcaagtcatt	ctaccctctg	cgtctccac	atccaaacct	aactactttg	480
gatttttaatt	gcagctcctc	cacccccacc	acctgtgatc	cgaaatgggtg	ccagggatgc	540
tccccctccc	ccaccaccat	accgaatgca	tgggtcagaa	cccccgagcc	gaggaaagcc	600
cccacctcca	ccctcaagga	cgccagctgg	gccacccctc	cctcctccac	cgccccctgag	660
gaatggccac	agagattcta	tcaccactgt	ccggtctttc	ttggatgatt	ttgagtcaaa	720
gtattccttc	catccagtag	aagactttcc	tgctccagaa	gaatataaac	actttcagag	780
gatatatccc	agcaaaacaa	accgagctgc	cgtggagcc	ccacctctgc	caccattctt	840
cagggtgaagc	ctggcttggg	ccggttcctc	aggaaaagga	tggaccttct	cttcttctca	900
gatggtccct	tccattcccc	tgaaacctgc	atgagagctc	ctaacatggt	tctccaatgc	960
aatcaagccc	tagactccaa	atgtcctccc	agctcacctc	catctatgca	tctcatctct	1020
ggatttggtg	atcagactct	atattgacag	taggatctca	aacctgcat	ccatccttcc	1080
tccagcaagc	cctgctagcc	acatgaggaa	caagtttccg	tgtcttctgc	cttcctcttg	1140
gggaaagggtg	ccttggttg	atgaattaac	tcactgttag	ggcagggtgg	agaatggtac	1200
tccttccttc	tcctgtccac	tgtgggggaa	gcttggcagg	tatattatat	ttcatcattt	1260
aggaggctgg	catgaccagg	acttatgggt	gggaggggag	catttttagt	gaagcaagaa	1320
aggagtttgc	caagaagtga	tctgttttaa	aggtcatatt	tggagaaagg	gcaaggaatt	1380
gggtctgctt	tatttttggg	ggtattttgt	ttttgttctc	acctgctgcc	ccccacccc	1440
accacccag	ggataaattg	gatataaaca	ctaaatacta	atcagttgaa	cttaacattt	1500
aataaaaaga	aagggtgaaa	taaactgaag	accatttttag	aactagtcag	ttctctgcag	1560
caaagggaac	aggagccatt	tgaaccctct	gggacccctc	acccactgc	ttcagggtgc	1620
taggctgagg	gatgtttttc	ctccccctta	ccgcccctgc	ccttgaaaga	aaagtcactt	1680
tttgtggagg	gcatcattca	ttcctgattc	acaaacccca	aaaacctctg	gtgggagata	1740
ggaagatagg	gcgtgggcct	gggccttaac	ctcaatcttg	tgtctgcctc	agtcttttct	1800
gactggccct	gaagttgtca	gtggctcttt	ctgtccttca	gcccttgaa	ggtgctccag	1860

gataacaaag	aagggcaggt	tgaagcccct	catggaagga	gctggctttg	tggggctgca	1920
aaggactttt	aagtcctgcc	tgtactgaag	ttcacagccc	acctgactga	gcagactctt	1980
cctgttcctt	tctctaccac	ccttgccctc	ccaggactgc	acggtttaac	acagcagagt	2040
acagaagggg	gaagaagtga	gcagaggctt	atgaagatat	tcagatactc	ttctatgcca	2100
ggaagcacia	agactttgtt	gagatttgcc	tcagttcagt	agatcttcct	tggcagccag	2160
ccatagggtg	tttctttgtc	ttccgggtcc	taaagagcac	agagaaaatg	gaggtcccca	2220
gtctaggtag	gaagctgatt	ggatgaggac	ttcttttttt	ccgacagcag	gatggggctc	2280
ttgggctcca	cacaccagat	gctttgggtt	tctacaactg	ttgctatgtg	tagaggggtg	2340
tcagagcgtg	gcatgagagc	aaggagacca	tggctactct	ttgaaatgga	tggggaaaat	2400
tagcttaaaa	atttaatcac	gagattgcgc	cactgcactc	cagcctgggc	gacagagcca	2460
gactccgtct	caaaaaaaaa	a				2481

<210> 5340
 <211> 442
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (75)...(445)
 <223> similar to gill184790 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5340						
agaggagcgg	gccgaggact	ccagcgtgcc	caggtctggc	atcctgcact	tgctgccctc	60
tgacacctgg	gaagatggcc	ggcccgtgga	ccttcaccct	tctctgtggg	ttgctggcag	120
ccaccttgat	ccaagccacc	ctcagtccca	ctgcagttct	catcctcggc	ccaaaagtca	180
tcaaagaaaa	gctgacacag	gagctgaagg	accacaacgc	caccagcatc	ctgcagcagc	240
tgccgctgct	cagtgccatg	cgggaaaagc	cagccggagg	catccctgtg	ctgggcagcc	300
tggtgaacac	cgtcctgaag	cacatcatct	ggctgaaggt	catcacagct	aacatcctcc	360
agctgcaggt	gaagccctcg	gccaatgacc	aggagctgct	agtcaagatc	cccctggaca	420
tggtggctgg	attcaacacg	cc				442

<210> 5341
 <211> 1497
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (983)...(1262)
 <223> similar to gi495222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

0048725.0121005228460

<400>	5341						
cgggtggcatt	cgttgtggag	tgaatgtaag	ttggacacag	aaaatccctc	ataatatcct		60
cctgttttgg	tgtatagtgg	cctatgagca	gattctgtgg	cttagactcc	cagtcccatg		120
gttcctggct	cctgatgtct	tttcccataa	cattttgaca	ttccaacaaa	ctctaattag		180
ctgaatgatc	aatcacagaa	atgtaaatgt	agaagcgaat	ttacagatca	tacagctcca		240
ccctgtaaat	aaaccaggat	gattagggta	ttcacgatat	tgcagattgg	ccagctcatg		300
acttgccctt	tgttcctagc	tctgtgcctg	gcctcagagg	agagccttgg	tgcacgtttg		360
actttttaat	ctttatttga	acctgttaca	caccgtcacc	cccactgctc	tgcttgccac		420
agacatggaa	ggttcactaa	ggccttaagg	cactcatgca	agctcacaag	agaaagaaat		480
ctgtaaggca	tgtagaattt	ggactcaatc	atgttggctc	ttaatgtgcc	tagagcaatg		540
gaatgggcac	ttttggggcg	gtggaattca	agacgtctctg	gctgaagatt	cagaagtatc		600
tggtaactct	cttttccttc	tgggcatcct	ctcctctgtt	ctaactctcc	cttacactca		660
ttcctggtcc	attgtattct	gaccacatcc	ttaatcatgg	tcaaaactat	tgagtcctgg		720
gcacattggt	catgaaggaa	caagaaggca	atgagagact	ctcatgccaa	ccactgccct		780
gaaagccctg	ctgttcagac	agcaaagggg	ccagcactgg	ccaagctctt	atgcttgctc		840
tgaaaccttc	ttgggaggag	tcaatagggt	ctccttttga	aagtgtccct	ggccttttga		900
gaaagcagtg	tgggtggagg	agatggttct	ggcaggggcc	gtgaatgggt	gttttctact		960
tgggatttct	ttcctgcttt	aggagatcta	ttgggaaact	gattataacc	actcgggcac		1020
catcgatgcc	cacgagatga	ggacagccct	caggaaggca	ggtttcacc	tcaacagcca		1080
ggtgcagcag	accattgcc	tgcggtatgc	gtgcagcaag	ctcggcac	actttgacag		1140
cttcgtggct	tgtatgatcc	gcctggagac	cctcttcaaa	ctattcagcc	ttctggacga		1200
agacaaggat	ggcatggttc	agctctctct	ggccgagtgg	ctgtgctg	tggtggtctg		1260
accgggggtt	tcggacatca	gtgacactcc	ctgcccact	gcttgcttct	tgtcacccct		1320
tctctacaat	tttgtgaaca	tttatgctcc	agtggcattc	actggttggt	catacctttc		1380
ttgccctggg	tctattttcag	cagcactgag	ctatgagcta	tctaagccga	cccgttgggc		1440
ccaagtggag	ggaaagcaat	caattaaagt	tgtgaqccaq	aatqgtaaaa	aaaaaaaa		1497

```
<210> 5342
<211> 1968
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (208)...(1822)
<223> similar to gi4008355 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5342						
acactatctt	tttgcaaaaa	atgaaacttt	taatccacat	ttaaaaaataa	ggctgtggga		60
ttttggagaa	gcatttttaa	aacttgagga	ctttatatgt	tactcctggg	aggttaaaca		120
ttgtttcaga	ctaatagaac	tagcattatt	aacgtgctga	ctctaactga	atttgttttg		180
ttctctctct	actaggtgat	tcgtgaagct	aagagaacag	caccaagtat	agtgtatggt		240
cctcatatcc	acgtgtgggtg	ggaaatagtt	ggaccgacac	ttacagccac	atttaccaca		300
ttattacaga	atattccttc	atttgctcca	gttttactac	ttgcaacttc	tgacaaaccc		360
cattccgctt	tgccagaaga	ggtgcaagaa	ttgtttatcc	gtgattatgg	agagatTTTT		420
aatgtccagt	taccggataa	agaagaacgg	acaaaatttt	ttgaagattt	aattctaaaa		480
caagctgcta	agcctcctat	atcaaaaaag	aaagcagttt	tgcaggcttt	ggaggtagctc		540
ccagtagcac	caccacctga	gccaagatca	ctgacagcag	aagaagtgaa	acgactagaa		600

```

gaacaagaag aagatacatt tagagaactg aggatTTTTct taagaaatgt tacacatagg 660
cttgctattg acaagcgatt ccgagtgttt actaagcctg ttgaccctga tgagggttcct 720
gattatgtca ctgtaataaa gcaaccaatg gacctttcat ctgtaatcag taaaattgat 780
ctacacaagt atctgactgt gaaagactat ttgagagata ttgatctaata ctgtagtaat 840
gccttagaat acaatccaga tagagatcct ggagatcgtc ttattaggca tagagcctgt 900
gctttaagag atactgccta tgccataatt aaagaagaac ttgatgaaga ctttgagcag 960
ctctgtgaag aaattcagga atctagaaag aaaagagggt gtagctcctc caaatatgcc 1020
ccgtcttact accatgtgat gccaaagcaa aattccactc ttgttggtga taaaagatca 1080
gacccagagc agaatgaaaa gctaaagaca ccgagtactc ctgtggcttg cagcactcct 1140
gctcagttga agaggaaaaat tcgcaaaaag tcaaactggt acttaggcac cataaaaaag 1200
cgaagggaaga tttcacaggc aaaggatgat agccagaatg ccatagatca caaaattgag 1260
agtgatacag aggaaactca agacacaagt gtagatcata atgagaccgg aaacacagga 1320
gagtcttcgg tggaaagaaa tgaaaaacag caaatgcct ctgaaagcaa actggaattg 1380
agaaataatt caaataactg taatatagag aatgagcttg aagactctag gaagactaca 1440
gcatgtacag aattgagaga caagattgct tgtaatggag atgcttctag ctctcagata 1500
atacatatTT ctgatgaaaa tgaaggaaaa gaaatgtgtg ttctgcgaat gactcgagct 1560
agacgttccc aggtagaaca gcagcagctc atcactgttg aaaaggcttt ggcaattctt 1620
tctcagccta caccctcact tgttgtggat catgagcgat taaaaaatct tttgaagact 1680
gttggttaaaa aaagtcaaaa ctacaacata tttcagttgg aaaatttgta tgcagtaatc 1740
agccaatgta tttatcggca tcgcaaggac catgataaaa catcacttat tcagaaaatg 1800
gagcaagagg tagaaaactt cagttgttcc agatgatgat gtcattggtat cgagtattct 1860
ttatattcag ttctatttta agtcattttt gtcattgtccg cctaattgat gtagtatgaa 1920
accctgcatc ttttaaggaaa agattaaaat agtaaaataa aaaaaaaa 1968

```

<210> 5343

<211> 504

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (507)...(300)

<223> similar to gi4699967 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5343

```

gcggccgcag gagaagccgc ggttggcgca ggacgcaggt gctgtagtcg aagcgctcag 60
gctggctggc tcgccgctgg gccagaagcc cgcactgcac aaccgtgttg cccttggaaga 120
gctccaggag tgggtgggca gtggcagggg ccaacttgag aggcctccggg gctggcaaaa 180
ctttccggaa gagccttttc cacacgggtca gcttgatgtc agcctgggtg aggcctggct 240
tgaaggagat ggggctgaat gcgccttcta ggggcccggc ctgcggcatc tctgctctgg 300
aggccatgga gtggaacttc cggatgaact tgtggtggtc ctcatggccg aactgttcca 360
gcacacactc ggcttggggc agccgctccc gggttccctg ggcctgctcc agctgcatgt 420
ccaggagggc caccaggcca cgggtgtgac cccctatccc ctccaggcag cgggccttct 480
cctcatccac caggtggtgc agct 504

```

<210> 5344
 <211> 929
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (9)...(464)
 <223> similar to gi452987 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5344
 gaattccaac agccatcgca ctggactgcg acctgagggc cagccaggcc gcgctcttcg 60
 agaagaacaa ggagctggca gacctgaagc atgtgcatgg ctatctgaag aagcagttcc 120
 aggagaaggt ggcagagctg gcacatgcca accggcgggt ggagcagcac gaggctgagg 180
 tgaagaagct gcggctgctg gtggaggagc tcaagaagga gctggcccag gctgaggacg 240
 agctggacga gggccacaac caggcacgta agctgcagcg gtcgctggac gagcagacgg 300
 agcagagcga gaacctgcaa gtgcaactgg agcacctgca gtccaggctc cgcaggcagc 360
 agcagaacgc tcccctcttc gggaagatcc gcagtgtctg ctttggcacc gaggaggccg 420
 aggatggaac cagtgcacctg gacgaggacg aggacctgca aatccagggtg gcctagagct 480
 tcctgtggct gggcaggatg ggccgccccca tacctgcccc ggggccaggc taaccagcca 540
 ctcaaactga tgcagtgcct aggtcactc tgggaccagt ccctgccaca gccgactttc 600
 ttctctccca gggatggcgt caacagtccc acctaccaac gccctgtgga aaggaagcct 660
 atgttttata tatatatata cacacacgcg cgcgcgcgcg cgcgcgcaca cccagaagtc 720
 tttggaccca tttggtttta taaatacagg acagctccaa ggcccagtc agatgacctc 780
 acccaccag gacttcatgc agggctgggc atgttggggg cagttgttgg agccccaccc 840
 tgggctgcct ctctaggctt cgctgttcat catacaatgc agtgaaccca gttatttgta 900
 ataaatgaag ttcaagttca aaaaaaaaaa 929

<210> 5345
 <211> 2863
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(2864)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(693)
 <223> similar to gi3878629 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5345
 cagctgggtg aaggagggag gcagagttgt ggccgacctg tcttgctggt gagatgagta 60

cattgccgcg	ctgggcgggg	caggagggaa	aggcaaccgc	ttcttcctgg	ccaacaacaa	120
ccgtgcccct	gtgacctgta	cccctggaca	gccaggacag	cagcgagttc	tccacctgga	180
gctcaagacg	gtggccacg	ccggaatggt	gggattcccc	aacgccggga	agtcctcact	240
gctccggggc	atttcaaacg	ccagaccgcg	cgtggcttcc	tacccgttca	ccacctgaa	300
gccccacgtc	gggatcgctc	actacgaagg	ccacctacaa	atagcagtgg	ccgacatccc	360
cggcatacata	cgaggcgccc	accagaacag	gggtctgggg	tccgccttcc	tcaggcacat	420
cgagcgctgc	cgctttctct	tgttcgtggt	ggatctttct	cagcctgagc	cgtggactca	480
agttgacgat	ttaaaatatg	aactggagat	gtatgaaaag	ggcctgtctg	cgaggcccca	540
cgcaatcgtc	gcaaacaaga	ttgacctccc	tgaagcccaa	gccaatctgt	cccagctccg	600
ggatcacttg	ggacaggagg	tcatcgctgt	gtcggcggtg	accggcgaga	acctggagca	660
gctgctgttg	cacctgaagg	tgctgtatga	cgctacgcg	gaggccgagc	tgggccaggg	720
ccgccagccg	ctcaggtggt	agccacgcca	gagcggggtc	gcctctgggc	ctctgtctga	780
gcaaacctgg	gtgtgaattc	ggtggttttg	aatgcataaa	gtgccttgtg	gacacggggg	840
agttgtggtg	cttctgggtc	tctgggcccc	gcctgcttgg	cctgaaatgc	cctcatgttg	900
ggaagcattc	cgtgccccct	acccgcctg	ccctcccgtg	tttacttgca	cctgtcagcc	960
ctgcaaccga	cttgantgag	ccagtttgc	catttgtgct	gattaacacc	cctaataagg	1020
ggtttggggg	ttgcccataa	acgggggttg	ccctgcccgt	gactcggtgc	tccgccatgc	1080
acgcgtggac	tctcgatga	gctcagcaga	accgcacagc	cagagcccca	ggtcagaagt	1140
gcagaccagg	gttctcagca	cagtgcctgt	cgtgcttcca	tggcttgcta	cggagagaga	1200
cctctggatc	cacactgggg	ctgcgtctgg	cccgttgtcc	agcagccctg	cggtaccgca	1260
agcccaggca	ccagtgtctc	ggggggcctc	actgctgcgc	aaggggtggg	gccgaggatg	1320
caagtccagg	cagagcgggc	caggcagctg	tgagcttttc	tccatcagcc	gtctgagaag	1380
agcagtgagg	ccagctgctt	cctgtccttc	agaacacttc	tctgtgctca	gtgggagcca	1440
ggaagcctca	ggcttcacga	ctgaatgcac	ccaatatccg	acctggctgc	gtgtttctgg	1500
ctgggctgcc	gtgtgcacag	caagttaact	agaggggctg	tgggccatgg	aactgtcagc	1560
gttattctca	gaaggcgggc	gtggcatggg	cagggatatag	tgaggagtgg	aaggagacgt	1620
gtgcctggta	atatggggcg	gaatttccac	tcagctccat	ttgctgggga	tttaaagaga	1680
acccttgtgc	tgcgccaggc	agttaccgag	ccgaagggag	atgatgggcc	ttcgcccctc	1740
agtgggatgg	cagctgaggg	ggccctgcag	ttgacctctg	agactgcagc	agcgcctttc	1800
ctgtctgtgg	tttaagtctt	tgagtcgaag	tactgatgca	tccaagccag	gcctatgcct	1860
ggtgtctccc	tgactgcaga	ggagccccag	ggcaaggaca	gctcagctgc	tggcagcctg	1920
cctggcccat	agacatcccc	caagtagtct	caggcctctg	acatgtccct	gaggggcccc	1980
taagaaagaa	agtggagggg	acactccaga	ggctgtcgtg	ggaggatcat	gtgagcctgg	2040
gaggtcaagg	ctgcagtgag	ccgtgattgc	accactgcac	tccagcctga	gtgacagagc	2100
gagaccctgt	ctcaaaaaac	aaacaaacaa	acaaacaaaa	acagaacatt	ctgggcacgg	2160
tggctcatgc	ctgtagtccc	agcacttttg	gaggccgagg	ctgggtggatc	acaaggtcag	2220
gagattgaga	ccatcctggc	taacacagtg	aaaccccgtc	tctactaaaa	atacaaaaaa	2280
attagccagg	cgtggtggcg	gtcacctgta	gtcccagcta	ctcgggaggc	tgaagcagga	2340
gaatggcgtg	aacctgggag	gcggagcttg	cagtgaagcc	agatcacacc	actgcactcc	2400
agcctgagcg	acagagcaag	actccatctc	aaaaaaaaaa	aataataata	ataatagcta	2460
aatactggaa	acaaccaata	ttccatcaac	aggagaatga	ataaacaat	tgtggtatag	2520
ctatacaatc	caatactatg	cagcaataaa	aattgaatca	atcactgata	cacataacat	2580
gcaaggatga	agctcaaaaa	cattacactg	aacaaaagag	gccagacaca	acagtatgtc	2640
tgagtccatt	tacatgaaat	tctaggaaaag	gtagaatatc	ctacagtgtg	gagaacacaa	2700
taataagaaa	acaaacaacc	tgatttaaaa	ataggcaaac	caagagtagt	agtgtgtgcc	2760
tgtagtccca	actacttggg	aggctgaggc	gggaggatcc	cctaagccca	ggagctcaag	2820
acctgcctgg	gcaacatagc	aagactctgt	ctcaaaaaaa	aaa		2863

<210> 5346
 <211> 618
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (10)...(616)
 <223> similar to gi5923801 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5346

gaattcttga	aggaaaagga	gaaattagaa	atggagttag	cagcagtgcg	gactgcaagt	60
gaggaccatc	ggagacacat	cgagatcctg	gaccaggctt	tgagcaacgc	ccaggccagg	120
gtcatcaagc	tggaagagga	gttacgagag	aagcaagcat	atgttgagaa	agttgagaag	180
ctgcagcagg	ccctgaccca	gctgcagtct	gcatgtgaga	agcgagaaca	gatggagcgg	240
agactgcgga	cttggtctga	gagagagctg	gatgcactga	gaacccagca	gaaacatgga	300
aatggccagc	cagccaacat	gccggaatac	aatgccccag	ccctcctgga	acttgtgcgg	360
gagaaggagg	agcggatcct	ggccctggag	gccgacatga	caaagtggga	gcagaagtac	420
ctggaggaga	gcaccatccg	acactttgcc	atgaatgccg	cagccactgc	agcagctgag	480
agggacacca	cgatcatcaa	ccactcacgg	aatggcagct	acggagagag	ctcgctggag	540
gccacatct	ggcaagagga	ggaggaggtg	gtgcaggcca	acagaaggtg	tcaggacatg	600
gaatacacta	ttaaaaat					618

<210> 5347
 <211> 1356
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1336)...(283)
 <223> similar to gi5689493 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5347

tttttttttt	ttttctcttt	aaattatttt	attcaagaag	tgggggagga	cagacaaggg	60
gactgagctg	agccctgagt	ccctgaacct	cccagctcag	ccccacagc	aggactggac	120
tcaaagtcag	agggtggaga	ctccagcccc	accagacac	ggttggggac	agacaggacc	180
cagggaatac	cgactgactg	tcctccaggg	ggatggcggc	cgcagcacac	agggcccggc	240
ccgtggaccg	cccgggtggg	gctattttgg	ggtgccgccc	cccttcttgg	gagtgggtgg	300
tttcttgccc	tgccagaggt	gtccctggat	ggtgaaggca	tcgacgctca	tggacatggt	360
cttggcgggg	atctgggtga	agcgcttgcg	gtccgagttg	tacttgtaga	tgctttccac	420
catggcgggc	gtgacgggtc	ggggcccata	ccctgccagc	cgcgacagct	cctctgtctc	480
ccccgacagc	gtgtagagcg	cccggaaactg	gcagctcgag	tcgcgaaaaga	ggatcaggaa	540
gtggttggcc	ttgcttttct	caatttcctc	cagaatgcga	ttcttctgcg	gttcgttcac	600
cttgcccgcc	aggcagcagt	gtgatagggc	atttgtgatg	atgaacttgt	tggacttggc	660
gctgggttct	ttgtacagcc	gtggacctgt	gtactcgggc	actgacgctg	gggaggaggc	720
attgctgcca	ttttccagct	cccgttcgcg	gcttccaggc	aggcggcttg	gggacatgag	780
acctgacggg	gagggagccc	gagacgtggg	cctcttcacc	ccgaggttat	tgtgggcctc	840
gttggccaca	gtggacagtg	acaggggtgga	ctgggaatag	attttgctca	gccgagagcc	900
cagcaggccc	cgggctgggc	ttcgtgccag	ggctgagtcg	tcacagcaac	ccgagcgagg	960

ccgggtggcc	ctccgcccgc	cccgaacctg	acccccggac	cccgcagccc	ggggccgcag	1020
caccttatcg	aggtcgtcca	tcagcttcag	ctgggcccgc	cgctcgtact	cctgccgcgt	1080
gaagtcccc	ttccgggggc	ccgcctcctc	ctcggctgga	gcccgggcag	caggggctgg	1140
agtcgccatc	gggactgcgg	acacaagcgg	ggctggggcc	ggggcctcct	cttggggccag	1200
cctcgcggcc	tcctccctcc	gctgttcctt	ctccacctcc	agacacggcc	tgcgccgcgc	1260
cgctcctgt	gctggccgat	aaacccgcgc	aaacaggctg	gaccgctttt	gggccatctc	1320
gtccgcaggc	ttgcgaaatc	tccgcgatga	tcagaa			1356

<210> 5348
 <211> 2038
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1836)...(833)
 <223> similar to gil663698 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5348						
gaagtagatg	tgacccacct	ggatgtatgg	gttttgtatt	gggcgccagc	aggctccagc	60
cccacctgga	gggactgcca	ccaggggcac	cagcagaggg	aagccgtccc	aggactgccg	120
gatggaccct	gctccaaact	cagcctgctc	tccttgtgac	agcagagcct	ttgcaattcc	180
tgagggtcat	ctaggggcag	gagacagaca	gtcctgtagg	atctgtgggt	gtctcctttt	240
gacaatctca	ctgttcttcg	tgccctgccct	ccaaattcag	tagcatgtct	caaagcctta	300
catctctcgg	caccagaggt	tcagtgcatt	tccaacctgt	gcacctggcc	tgtgcaacca	360
cccagcctct	tctgggggac	tcaactctcc	tggtgaggc	tctgtctctt	ttgtgtctcc	420
aaagctgctg	tctcccgacc	tggggcagga	ggggctgagg	atacctctct	tgggtaatag	480
tcctctcggg	ctgaagcagc	tctgtctggg	ccaggcgatc	acagggcagc	ctgggcagag	540
gggctctggc	cggcttcac	ttcccacctg	ctcctccggg	tgtctccctc	tctcgcagcc	600
gggatctgca	tggcgtctca	tctcgattgc	tgtgtgaaaa	tcagggtgaaa	tgaggcctgg	660
tggggctgtg	gattggcacc	tggatcttcc	attgtcagcc	agctgcagtt	ttgctcagtt	720
tacgtgggtc	aaaaaaacaa	aaaacaagga	tgggtcaaca	tcctgtttct	ttttcacttt	780
ttaagcttta	accactcgag	ttgtggatct	tggggcctct	cttgattagg	ggttaccaa	840
caattcatca	agctcctgca	tccactcgct	ccctggcccc	cctttgatga	tggagtccac	900
aaggtctgca	ccgtccggga	ggccagggaa	ggaacccccca	gctccgtcgc	cactgtaatt	960
gtatgacacg	tcctgagggg	cattccgctc	ataggcttgg	ctctggctgc	ttggagcaaa	1020
gctgccactg	ggtatctgct	gctgtgctgg	gggctggctg	aacgctggca	tgccctgggac	1080
tccttggtc	aggccagaca	tgaccattgg	cctcgccctg	ctgggtgcctt	gctgccccgc	1140
gagcgatggc	atcatctgcc	gacccatggc	agctgggttg	agggtcctca	ctgtgcccgt	1200
gttagcatcc	acgactgact	ggctcagtc	ctgtgggaag	tgctgcttgg	tcagtctcgg	1260
ctgccagct	tgaagagggt	agctggcgcc	attgttgaat	ggcccaatt	ctccactagt	1320
cctcccaggc	atgccctgca	agctcctctg	ttgccagctt	tgtgctcctt	gctggactgt	1380
tcccataagg	ctctgcagcc	ttggaggggc	ttggggccta	ggcaaggcct	ggcctactgg	1440
ccctttcatc	tgtggatgtt	gctgggtaat	ggctgagttc	accagcatgc	tctgacaaa	1500
gccactcacc	attccaaccc	cctgcccaga	ggcagggttg	ctcggtcctt	gggcttgggt	1560
atgtgtgatg	ctcatgccac	tttgggtttg	atgctgcaac	atttgggtca	tgccctgtgt	1620
catattgtac	attcctgggt	ggctggtagg	cgtgggtgcta	taaggggcca	gtcccatctc	1680
cgactgcgca	gctgcgggtg	ccatcgctcc	aggggtcttg	gagggtccta	ttcccatcat	1740
gcctgcgttc	tgtgccatca	gccgtgacgt	tcgcatgctc	tggagggtg	cttggcttct	1800

tacggctgct	atatacctggg	gagaacctgc	agtgaaaaag	aggacacata	ccactcactc	1860
ttctccataa	gcaatatact	gcaacaagat	gttggaat	tttttgggaa	tgacaaaatt	1920
cctttatatg	aaaggatcta	ctctgataat	aaatctgtaa	caaaaatgat	tatttttctg	1980
attatagcat	atgctgattg	cgaaaat	gaaagtgtta	aaaaatacag	agacaaaa	2038

```

<210> 5349
<211> 1009
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (188)...(366)
<223> similar to gi338330 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5349						
tttttttttt	ttaatagcta	atTTTTtTgta	atgaaattac	atgcagatga	ttttttaaca	60
ataaaacatg	ttactatgta	tcagaacaaa	catgggtgta	aattttttta	aatgggtgaaa	120
gctataggaa	ttgactctag	agatacccat	atcaggatgt	gggtgacctg	cctgtctgca	180
tctttgcagg	tcctggaaca	acctgtactg	tgtgctcagg	aacagtgagc	taaccttcta	240
caaggatgcc	aagaacctgg	ccctggggat	gccctaccat	ggggaggaac	ccctggccct	300
gagacatgcc	atctgtgaga	ttgctgcca	ctacaagaag	aagaagcacg	tctttaagct	360
gaggtgaggc	cttcttgccc	tttgaaagct	cggttgatg	gcttgatttg	gcattagtgg	420
cagggcagag	gcccctctgta	ggggaccagt	gccaggcctg	agctgctcct	caggggtttt	480
tcaaatcaaa	gaggctgatg	gtccagactt	tgacctctca	gaaagtgctg	ggctgcctga	540
gaggggtctg	gatgttcggc	tcagggtatt	gtgggatcag	agccagccct	ctgcccagcg	600
ccccctccag	aggtgtctcc	atgacaggaa	accctttgtc	ctcctaggct	gagtaatggc	660
agcgagtggc	tcttccatgg	caaggatgag	gtaagcgcg	gcagcctagc	ccagacctgg	720
ctaagaagg	ggtaggtgga	ggaccccagg	cgcttgccc	tggaggcccc	ctcagaagg	780
gcagtcccaa	gagccccac	cattgttgcc	tggcccggga	ggtggggggc	tgtgggcctc	840
cagactccac	cgtgacctc	cgccccgcag	gaggagatgc	tgtcctggct	gcagggcgctg	900
agcaccgcca	tcaacgagtc	ccagagcatc	cgcgtcaagg	cgagagcct	gccccctgcct	960
tcctctccg	gccccgacgc	cagcctcgaa	ttccaccacg	ctggactag		1009

```

<210> 5350
<211> 1077
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (9)...(924)
<223> similar to gi5059425 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5350
ggaattcgct tgctggaaga gaagttgagt tgccaaccga accatcactc gtgtacgaag      60
cagtgtgcaa caggcagaac cggccttcat tggctgagct gcccgaagcc gggcctgaga      120
ctcccggtt agaaggactg aaggagctaa tgcagctctg ctggagcagt gagcccaagg      180
acagaccctc cttccaggaa tgcctaccaa aaactgatga agtcttccag atggtggaga      240
acaatatgaa tgctgctgtc tccacggtaa aggatttcct gtctcagctc aagagcagca      300
ataggagatt ttctatccca gagtcaggcc aaggagggac agaaatggat ggctttagga      360
gaaccataga aaaccagcac tctcgtaatg atgtcatggt ttctgagtgg ctaaacaac      420
tgaatctaga ggagcctccc agctctgttc ctaaaaaatg cccgagcctt accaagagga      480
gcagggcaca agaggagcag gttccacaag cctggacagc aggcacatct tcagattcga      540
tggcccaacc tcccagact ccagagacct caactttcag aaaccagatg cccagcccta      600
cctcaactgg aacaccaagt cctggacccc gagggaaatca gggggctgag agacaaggca      660
tgaactgggtc ctgcaggacc ccggagccaa atccagtaac agggcgaccg ctcgtaaca      720
tatacaactg ctctgggtg caagttggag acaacaacta cttgactatg caacagacaa      780
ctgccttgcc cacatggggc ttggcacctt cgggcaaggg gaggggcttg cagcaccccc      840
caccagtagg ttcgcaagaa ggccctaaag atcctgaagc ctggagcagg ccacagggtt      900
ggtataatca tagcgggaaa taaagcacct tccaagcttg cctccaagag ttacgagtta      960
aggaagagtg ccacccttg agggccctga cttccttcta tggcagtctg gcctgccac      1020
aaactgactt tgtgacctgt ccccaggag tcaataaaca tgatggaatg ctaaaaa      1077

```

```

<210> 5351
<211> 2093
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(678)
<223> similar to gi6002585 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5351
atggctgcgg ccggcggcgg cggcggcggg gcggcggcgg cgggcccagc ctactcgttc      60
aagggtggtg tgctggggga aggtctgcgt gggaagacgt cgctggtgct ggcgtactgc      120
gagaacaagt ttaacgacaa gcacatcacc actctgcagg catcattctt aacaaagaag      180
ttaaatattg gtgggaaaag agtaaacctt gccatatggg atacggcagg tcaagagaga      240
ttccatgcat tgggtccaat ttactacaga gattcaaatg gagcgatttt agtttatgac      300
ataacagatg aagattcttt tcagaaggta aaaaactggg tcaaagaatt acggaaaatg      360
ttgggaaatg aaatctgttt atgtatagtt ggtaataaaa tagacttggg aaaggagaga      420
catgtttcca ttcaagaagc agagtcgtat gcagaatctg tgggagcaaa acattatcat      480
acttcagcca aacagaacaa aggaattgag gaactctttc ttgaccttg taaaaggatg      540
atagaaacag cacaagtggg tgagagagca aaaggcaatg gctctagtca gccgggaact      600
gcaaggcgag gtgtacagat tattgatgat gaacctcaag cccagaccag tgggtggagg      660
tgctgttctt ctggataact gttcacgcct aagaaattaa aagacagAAC aaaactgtgg      720
atcattgccc tcaacatgaa gactgccata ttccaagtca cattatttta ccaatggaat      780
tatagaatta acagtatttt aaattacgtt tataacactg cagagacctt aagtgctaaa      840
cttagtgagg tttgtgacca gagaattggc attttctaca aatgtttttt tttggttttt      900

```

ttttggtttt	ttttgggttt	ttttgagacg	gagtctcgct	ctatcgccca	ggctggaatg	960
cactggcttg	atctctgctc	actgcaagct	ccgcctcccg	ggttcacgcc	attctcctgc	1020
ctcagcctcc	cgagtagttg	ggactacagg	cgcccgccac	cacaccagc	taatgttttt	1080
gtatttttag	tagagacggg	gtttcaccag	gttagccagg	atgggtctga	tctcctgacc	1140
ttgtgatccg	cccgctcgg	cctcccaaag	tgctgggatt	acaggcgtga	gccaccgtgc	1200
ccggcctaca	aatgttaaca	aagcaattac	caatggcctt	ttacataatt	ttttctttaa	1260
tgaggaataa	tatgcatgta	gaaaagacct	acttaaagtc	ttcatttata	ttctttcaaa	1320
tcaaattcttt	atttaataac	ttatatatgt	tggttgaatg	gttacatttt	tgagccctt	1380
tgtattttgt	ggtagtttaa	attgtatcac	ttctaaacag	caaactgttt	ttgtttttta	1440
ttagcagata	tctgaagtac	tattttttgca	gggtttgcac	aggcccgtaa	ctgtctacta	1500
ctttgatata	atctgtatac	atcctgtatg	ctgagctggg	aaaatacatt	gtaaattaca	1560
tattaaatat	tttatctgct	tttacaagcg	caagggtgca	aaatatatac	aatagtctca	1620
ttgatgactg	taaagtgaat	taacatttgg	tgattatgcc	tagctttttt	gactaatata	1680
aagatcatag	ctcccccttca	cttctgtctt	aacttgaaca	tggcgtggtt	aaattttcat	1740
acatacttta	cttgaattat	tgctgttgct	acataatttt	gcctctgtga	gttcatctga	1800
tgattgagca	gtagcatttg	ccttttgggt	tttttgtttg	ttattataga	agagatgact	1860
tctgctgatt	ttgctttaga	atggttacct	tagaagaatt	tgggtggctc	atgttgaatt	1920
tcacttctgc	aatagctttc	attttctcat	aggctttata	agagatgggt	tcagtgggtat	1980
gagcagagga	agagatccca	gatagtagcc	agttaaccaa	gactcattca	tatagcacgt	2040
agtttatgtt	cctgaggcag	cactttttaga	tcctttgtga	gcaagttcta	ttt	2093

<210> 5352
 <211> 1323
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (78)...(663)
 <223> similar to gi531241 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5352						
cagtgtggcg	gaattcacag	ggctaggggt	ccaggggtgtg	ggtgcagcag	acagccaccc	60
tggccatatg	catctcgttc	ccacaggcat	tcaccaagga	cttcgagggtg	agccagctct	120
atgactgcaa	ctggatcggtg	gtcaactgct	ccacaccggc	caactacttc	cacgtgctgc	180
gccggcagat	cctgctgccc	ttccgcaagc	cgctgattat	cttcacacct	aaatctctgc	240
tgaggcaccc	agaggccaag	tccagctttg	accaaattgg	atccgggacc	agcttccagc	300
gggtgattcc	tgaagatggg	gccgcagcac	gggcccctga	gcagggtgcag	cggctcatct	360
tctgcacggg	aaagggtgtac	tatgacctgg	tgaaggagcg	gagcagccag	gacctggagg	420
agaaagtggc	catcacgcgc	ctggagcaga	tctctccatt	ccccttcgac	ctgatcaagc	480
aggaggcaga	gaagtaccca	ggtgcggagc	tggcctgggtg	tcaggaggag	cacaagaaca	540
tgggctacta	tgactacatc	agcccacgct	tcatgaccat	cctgaggcgc	gcacggccca	600
tatggtatgt	tggccgggac	ccagcggctg	caccagccac	aggaaacagg	aacactcacc	660
tgggtgtcact	gaagaagttt	ctggatactg	ccttcaatct	ccaggccttt	gagggcaaga	720
catttttagag	ctgggcaaaa	cctgtgtagg	tctcgctgtg	ggtttgctgg	ggaccaaggg	780
ggtgatgaaa	aggggagggg	cggagctcct	gcccaagaga	ggggctgtgg	ggccccagga	840
taaaacagac	acagtgacag	ggccaagagc	cagcactgct	ggccttggtg	tcatgccaga	900
atctaccagg	actgaggggg	ccagaggagt	cctgtaggca	ggctactgtg	ctggagcatc	960
ccccagctgc	tcccatcttg	ctggaatttc	ttgggcggct	tctccacctg	tatctcaaga	1020

cagacacccg	ggggcctgtg	tctgtggccg	ctcccatccc	ggcagccctg	gctgctgtc	1080
gccccaccct	cgcttatctg	tagattcaaa	gcgatgttct	cttctgtgct	cttagaagta	1140
gggagttcag	cagtaacagc	caggtgaagc	gaacctgctg	ggtgatttgt	ttgcgctctg	1200
ttttatgggg	cattcctgcg	agatgtgtca	gcttctgtgt	gaaatgcagc	cacagctcat	1260
gtgtaccaaa	gtagaaaacc	aaatcacaga	gaaataaaaa	catgcttcag	agagaaaaaa	1320
aaa						1323

<210> 5353
 <211> 1158
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(483)
 <223> similar to gi2853081 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5353						
tttgagagag	ccttatggta	atgtcggcca	ttgagaaatt	gttgaggcag	gtagattggg	60
gtcaactgga	ctacttagtt	gtagacatgc	caccaggaac	tggagatgtg	cagttatcag	120
tctcacagaa	tattcctata	acaggtgctg	tgattgtctc	cacgccccag	gacatcgcat	180
tgatggatgc	acacaagggt	gctgagatgt	ttcgcagagt	ccacgtgccc	gtccttggcc	240
ttgtccaaaa	catgagtgtt	ttccagtgtc	caaaatgtaa	acacaaaact	catatttttg	300
gtgctgatgg	tgcaaggaaa	ctagcacaga	cccttgggtc	tgaagttcta	ggagacattc	360
ccttacacct	taatataagg	gaagcttcag	atacaggcca	gccaattgtg	ttttcacagc	420
ctgaaagtga	tgaggccaaa	gcttacttga	ggattgctgt	ggaagtggta	agaagattgc	480
catcaccttc	agaatgattc	cccaagtgtc	ctggaaattt	gcctgggtact	gacattaaga	540
ggaccttttg	aaatcagcaa	tgtggtgatg	gaacctacag	aaataataga	aatcataact	600
gttttatttc	taaggaaaga	atgtcttcat	atttgacttg	ctaagctaag	gttcacaaaa	660
ctttgatgta	tcaatgttaa	ctgctatatt	taggaatttt	ttgaaagctg	gtgtgtacca	720
cctgcaaaga	actgcatttt	attttattga	attaccctt	tagaaatcat	gagtttatga	780
tgttacaagt	ccattttggg	agagaactgt	acactttttg	caggaccaca	gaattagtaa	840
tttaaagtat	atactaaatt	tgtgtatggg	cataagtatt	acgccttccc	accaggcaat	900
ttggactgtc	tttgaatcct	gtctttggta	ctgtcttggg	catgttctta	atatgaacct	960
ctgcttcttc	atctggatca	cactataccc	caaacttaat	gaatttcagt	ctccaggagt	1020
ggagcctgaa	catatgtatt	tttagtaaga	ccatgatgat	gttgatgatg	attctggtaa	1080
tcatggcagt	aagaataata	gctaacattt	aacaagttaa	ttataattgt	tcttccattt	1140
gtgtgagcgg	gtactatt					1158

<210> 5354
 <211> 795
 <212> DNA
 <213> Homo sapiens

<220>

<221> misc_feature
 <222> (3)...(459)
 <223> similar to gi825671 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5354
 cagggccagt gcatattagt ggacagcact tagtagctgt ggaggaagat gcagagtcag 60
 aagatgaaga ggaggaggat gtgaaactct taagtatatc tggaaagcgg tctgcccctg 120
 gaggtggtag caaggttcca cagaaaaaag taaaacttgc tgctgatgaa gatgatgacg 180
 atgatgatga agaggatgat gatgaagatg atgatgatga tgattttgat gatgaggaag 240
 ctgaagaaaa agcgccagtg aagaaatcta tacgagatac tccagccaaa aatgcacaaa 300
 agtcaaatca gaatggaaaa gactcaaaac catcatcaac accaagatca aaaggacaag 360
 aatccttcaa gaaacaggaa aaaactccta aaacacccaaa aggacctagt tctgtagaag 420
 acattaaagc aaaaatgcaa gcaagtatag aaaaagcgcgca ttgaacagtc ctgggcacta 480
 catgtaaatt aagcccaag atggggagaa aggaaaagga gagacaaata tagtccatac 540
 tgagtgtcat caacaatcca gactgaagtc ttctatttta atctcaatcc ccttttctga 600
 tttgccacc atgcctcttc aggctggaaa caatctcttg gttccctaaa gcactttctt 660
 ctgactgctg tgattcagtg aaccttgccc tttgctttct attacttggtg catttgccctc 720
 acctgacaat gttttaaatc gcctttgtat ctccttagct gctcaataaa tatttgaatg 780
 catcaattaa aaaag 795

<210> 5355
 <211> 1119
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1122)...(963)
 <223> similar to gi516012 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5355
 tttttttttt ttgtgtgaac aagccttcat tgtgcaagcg tgagcccaac aaacaaacac 60
 caggtctgcg ctggccgaag acgaagcgtc ctccctggag gtgggaacaa gtcacctctg 120
 accacacctc ctctgacgcc atcacctcct cctggcccca cccaagggtc cgacacaagc 180
 cccaaggctcg gggggagagg ggcggggcgg aaccgagggc ggaggccaag gtgggattcc 240
 aggaaggcct tccgaaggat ggaggtgggt cctgtccctc caggtagctt gtgggtgtgg 300
 acagcaggac ttgctggctc agtgtgggca caaggacact gtgccactgg ttgagtgaag 360
 ggtgagggat tggaggtggc tcccagaggc ctccatctgc atggccctgg ccctgtggct 420
 ccagcaggct gccctggctg tgggtagccc aggagccaca tgcgcttagt ggggcccgtc 480
 tggggcaggg gctctcacag gacagcatga gccactgagc cgcctgggga gggccaggcc 540
 aggcggggag ctgtggtgca atttgtcctt gtccctggag gtctgtgggc ggaagctgtg 600
 ggcacagggtg gacatggctg tcagacgtgg ggtcataggc tcccactccc cagctcctgc 660
 ctcttcacag acagaagcca cggccaagga gaggagagac atggggaagg cagagatgag 720
 ggaacaggaa gggagaaggc aatgaggaaa gagaaaggga gggtaagatg cggagggcac 780
 aggtggatgg ggacgagggg gccaaagcatg gacagcggga ggggagaagg cggaggggcc 840

gagaggcagc	tgcgcaagag	ggccttcagg	cagagttgag	gtctgtggcc	ttgggctggg	900
ccttgcgggg	ggtcagctcc	gacagcttct	tcagccgctt	cttcagctcc	agcgggaact	960
tctcgtagca	cctcttacac	acgggcttca	tgtcgaactc	cacaaacttg	ttcttcaggg	1020
tgagcttgct	gttgcagggtg	gagcaggaga	agcagctcac	acaccaggcc	ttgttgaggg	1080
ccgacaccac	atcgccctca	atcacatggc	tgcagttgt			1119

<210> 5356
 <211> 1376
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (7)...(534)
 <223> similar to gil403547 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5356						
tttcgtctgc	tggcgctcgt	ggccttcagc	acgttaatgc	tcaaacgctt	cagagaacca	60
aagcatgaaa	gacgtccgtg	gaggatatgg	tttttagaca	cttccaaaca	agccatagga	120
atgctgttca	tccactttgc	aaatgtatac	ctagcagatc	tactgaaga	ggacccttgt	180
tcactgtacc	tcatacaact	cctcctggac	gccactgtgg	gcatgctgct	catctacgtg	240
gggggtgcgc	ccgtcagcgt	cctggtagag	tggcagcagt	gggagtcctt	gcgcttcggc	300
gaatatggag	accctctgca	gtgtggagcc	tgggtcgggc	agtgcgctct	ttacatcgtg	360
atcatgattt	ttgaaaagtc	tgtcgtcttc	atcgtcctcc	taataactca	gtggaaaaag	420
gtggccctgt	tgaatcccat	tgaaaaccca	gacttgaagc	tggccatcgt	catgctgac	480
gtccccctct	ttgtcaacgc	tttgatgttt	tgggtagtgg	acaatttctt	catgagaaag	540
gggaagacga	aagctaagct	agaagaaagg	ggagccaacc	aggactcgag	gaatgggagc	600
aagggtccgt	accggagggc	cgcataccac	gaggagtctg	agtctgagat	cctgatctca	660
gcggatgatg	agatggagga	gtccgacgtg	gaggaggacc	tccgcagact	gacccccctc	720
aagcctgtga	agaaaaagaa	gcaccgcttt	gggctacccg	tatgacacat	tcccatgctg	780
gggggtgacg	gagggccccg	ccaaccgctg	gtgtgcagag	gtcatcccg	agcatcggtc	840
cttaccctct	ctctgcccct	cctttctacc	tctgctcctc	ttgctgtctc	tgcccgtctc	900
cgccctgccc	cagactactg	tgacttaaaa	agagggaaga	ggagccagcg	cccgaggggg	960
ccactggcgg	ctggagggtc	ccattcagtt	gcactacaaa	cactgaccaa	atatgcaagg	1020
aaggagctgt	gtttgtttgt	tgtcgtccca	gacagtgttg	tgagggacct	gaggccctgc	1080
cccggtgccc	accaccgagt	ggcaagggtg	aaggaagcac	aggcacacag	accgtgggtg	1140
ggtctcctca	ccgtggctgt	gggcagtgcg	aacacataac	accctcgggc	taaaagtga	1200
tcgttgacca	agttggaacc	ggaatgcttt	cttactcaaa	atggcttttg	taactattga	1260
tttctgaagc	tggttttatg	agttgtgaca	gtgttaccag	gttgggggta	tgtgtttatt	1320
tcctacaaag	tacttacggg	actaatgggc	aaaacagaga	tttttaagtc	ttccgt	1376

<210> 5357
 <211> 957
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (959)...(383)
 <223> similar to gill136412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5357

ctgccagtga	agcccaggct	gcttttttcag	actgtgtgta	gcaccaagaa	cgcttccttc	60
acacgatctt	caggatcgag	cgggctgact	gggagtgtct	gcctcagtcc	cacgtggcac	120
ttggaaaaaa	cagagcgagg	ccccccaag	aggcagcgcc	cacccggccg	ccgtgctccc	180
ccaacttgga	gacgtctggc	cttggaacag	tgggcccgtc	tctcaccacc	cacctcagag	240
gcaaaaaagg	attcacaccc	agatctctag	aaaaatgata	aaaagcaggt	ttcttctcac	300
agccaagctt	cctggacatg	gcagttcatt	acatctcgga	aaaacgtaaa	tcatttcttc	360
agctgtcaat	actgtgtccc	tcacatcctt	gagcctcggt	cttgcaaaat	cttggccttc	420
tcgctgggct	cgctggccgt	accgtacggg	gtgttggtga	gctccttgga	caccacacag	480
aggaactcgg	cttgggtctt	gttcccatag	ttgtaagagg	agccgatgct	gaccaactgc	540
tcgaacttcc	agccgtcgga	catggtggac	accatctgca	tgagctcctc	ctcctggcac	600
tgcagcacac	ggtacacatg	cttcacaggc	acctgcgatg	ttttgctgtc	tcgttctcta	660
attttgtcct	ttacaagttt	tattaatgag	gtgatattgt	aaaattctgc	ttcctccaac	720
actccttcct	ccgcgagggt	tttggttaat	accagcttgc	cgtgtctcag	gtagtccagc	780
acaggcccaa	agtaggtggg	gtctctgtcg	attaaatagg	cgctgttttc	atccttgtct	840
gagtccagg	cgggatcgga	ctggcataag	cggtacagga	aggatttcgg	gtcccggcac	900
agggtctgcc	gagtgtgtgag	gaagtaggtg	ccgccgacgt	tgagtcggac	ccacttg	957

<210> 5358
 <211> 520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(521)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (2)...(96)
 <223> similar to gi5912261 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5358

ctcagagtgt	aagggcaaac	aatatgtcaa	aaggacatgg	tataaaaaat	ttgtaggagt	60
gcagctgtgc	aactctctca	gatacaagat	tttctgtgag	ggagtcgctg	gctatgagtc	120
attaaatatg	catgataata	tttttgaaac	gatgagttat	caagacactc	attaaattgt	180
ataactaatt	ttttagtata	tatcctttgc	agttaaccag	tgattattat	atatcaatat	240
tgccctactt	ttgtggaaga	ttttaggatc	cttttgtgtg	ttgggtcatta	tctctattaa	300

aagggaaagt	ccaaaaatct	aggttttttg	aatcttttatt	tttagaaggt	aactttttaa	360
tttttatatt	aaatgtacaa	gtggctcttt	gccacatata	acttaccttt	tcaaattaaa	420
aatacgatt	ttatttttat	ttcctggacc	caacaaacag	atgacangta	tgggagtgtg	480
aaggtgaaga	gtaaccacta	taaactgact	tgaagaggcg			520

<210> 5359

<211> 1541

<212> DNA

<213> Homo sapiens

<220>

<221> misc feature

<222> (1039)...(530)

<223> similar to gil204166 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5359

tttttttttt	ttcacggtgc	cttcaagctt	tattgccaca	cacactcccc	cagcccttcc	60
tgaatggccc	tgtgcatggg	aacaccagct	tagagaagca	attcagggct	aggcaagggc	120
cagaggactg	gatttgggac	tgggggtggg	aggggggatc	tggagaagga	aagtgtctaa	180
accaaagccc	acccccaccc	caggtttccc	tgagtgggtg	ccacccccag	ggtcttgggg	240
gctggcttgt	gcattggggg	gagggggctc	atcccaaagt	gatcctcccc	tgggggtctc	300
aggctcatgg	agggaagaga	agccccactg	agccccctgc	accccccatg	aagccctcaa	360
tgtgcaggga	gcaggaagaa	gagctgcaca	caaacgcata	cacatgcttg	tctccaagag	420
agctcctggc	ccctggggct	gcccagccag	gggctcaaca	gtccagaccg	atggacacga	480
gcaggtcctc	gagtggccgc	agacgctgct	gcgcctcctc	tatggcgctg	taggtctgca	540
ccgtgctggc	cacgtggaag	cggtatgtcg	ccaccagcgg	gatagagtcc	gtctcctgcc	600
gggctgccac	agccgctgcc	tcctccttca	ccgcctccac	gaagtcctcc	cgctccacca	660
gcttctcaat	gaccttggcc	atgtactcag	tgactgggtc	ctcaagccgc	gccaggcgga	720
agagcttggc	cacgcgccac	acaccaccca	cagtgtcctc	gtctagcatc	tgagccaggc	780
tgcggccgca	cagcctcttc	aggcctggca	gcaggtagat	gtcggcgacg	ctcagcacat	840
cataggctgc	ctcgggggac	agctcagtgt	ggtcgctgta	catgtagtag	agcacgtgag	900
tgaagacgtc	gggtgagatg	ccatgcaggg	tgacggctgg	ggggccccct	gaggtcgctg	960
gctcctcgct	ctctcggaag	tggtcattca	gcagggtctg	gaagtagtca	ctgcgggcac	1020
agaaaaaggc	cttgtggcag	aggaagctgc	agccagccac	tcggaagcag	atgtcagggc	1080
agctgttgaa	gccgtcagga	caagggaagg	gcagctccca	aagatcacct	cggagctcgg	1140
ggggcagggc	acaatcggcc	agcagcgcca	tgctctcccg	gaggcggggg	tctgcagggtg	1200
ggggctcgat	ggtcagcacc	ttcacacacg	tgcttggttt	agacgccaca	aactcagaca	1260
ccttctcgca	cttggcctcc	aggctcgtga	gcagggtccca	cagctggcat	tgcttggcca	1320
ggcgctcaca	gtcactcaca	tgctctacgc	caatgtccag	gcggcctggg	ggcagtgagg	1380
aggatgaggg	cctgcgggac	ctcagctgtc	atcaggccca	cagaaaaagg	gtgatcccct	1440
cccacctggc	cacctggctg	caggactagg	actcctgggc	ccacttgcca	ccatggtttc	1500
cccatcaaaa	gctgttcgga	cgcggtgggtc	gacccggaag	t		1541

<210> 5360

<211> 904

<212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (900)...(770)
 <223> similar to gi2707600 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5360

tccggaattc	ccgggtcgag	cctgcatccg	agtagcgggt	ctcgaagcag	ctggggcatt	60
aggggcttcc	cccaggcagg	gcatatcgtc	ccccgcccag	aggcccggcg	cagtcctggc	120
aacagaagtg	gttctcatgc	cagcgctgtc	cctccgcctc	ggtgcagcgc	caggagaaga	180
tcagctggga	gagggagagg	gagaggggaa	cgcttcattc	attcattccc	tcattcattc	240
atccagtaac	cacgcctttt	accaggttaa	cgctaaagca	cgtctgcaca	cattcccatt	300
taattcactc	agccactttt	ggacgcaggg	aggactgatt	ggcttaacca	ggatcccagc	360
tagcaagtgg	gacaatcccc	agtgcgacct	gggggtctgg	actcccaacc	cagggtcca	420
ggcttccttt	tatgctgaca	tcaagggaat	ttctagcatg	atgaggcaca	gcactgggca	480
ctcggcatct	actgagatga	gcatgtgtcc	aagactccct	gctctataga	aattcgatga	540
gtccaggaac	atttgaggga	ctctgcagtg	ggggaggcca	gagagaaggg	cactgggtcc	600
tacatgcccc	gagctcaagt	cagaacacag	ggaacttggt	agtcccaggc	tggttcctac	660
ttctccccac	tccctgatac	tgggagaaac	tgtggcccag	gagagtgtcc	ctttgtatcc	720
tgccactctg	gactctgggc	agacccccag	ttcctcccct	ccaggctgta	cctggtcaca	780
agccgggcag	cgccggcgca	gcaactctgc	atgatgacgg	ccgcagtaga	gttgtccatc	840
atggtagaag	tagatgaggt	ttatcagggc	ctggccacag	gcctggcagg	caaagcaagg	900
ctgg						904

<210> 5361
 <211> 988
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (20)...(279)
 <223> similar to gi3688089 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5361

cgctcacct	tccctaccac	cagccggggc	cattgacacc	cgggacacag	ggtcctctga	60
gcctcagcca	ccaccggagc	cgctcggtc	agggccacca	ctgcccacag	gcctgaagcc	120
cgagttcgcc	ctggcactgc	cccctgagcc	gccccgggg	cctgaggta	aggggggcag	180
ctgcggcctg	gagcacgaac	tgagctgctc	caagaacgag	aaggagctcg	aggagctgct	240
tctggaagcc	agtcaggaat	ccgggcagga	gacactgtga	cacttttagtt	ccctttttcc	300
ggtcgggtctg	cgatgagctg	aggccagagc	catgagaatc	tgctcacctt	ccccccagcc	360
ttcctgaggc	ccaggatgcc	aggggtgggg	gccattctgg	ggccccccctc	ccccccacagc	420
aacactacaa	gggggtgcagg	agctacaggg	agtggccctc	cgcgcggtgac	tcaagcactt	480

<210> 5363
 <211> 1160
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1159)...(740)
 <223> similar to gi4150892 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5363
 gctgcgcgga cgtcttttatt tttccccggg tggggagcag gatacacagc ccacactgca 60
 gtcacttagc ttgtaaaaat atctcaataa ataaaaacaa caagcaacat atacactgaa 120
 cagagaatat ttttttttaa atggctagcc aagcaatcac ggagaaagga aaagaatagc 180
 ggcgtgaaag taagaattcc aggctgactt gaaacaatca tgcagaggct cgggggaggg 240
 gaaggaaactc ggggggcctc ttctgagagc cttgggtccag tttcaacaga attgtacaag 300
 aatgcattttc tgtttttatta aaaaaataga cattaataaaa ggcacttaga gggaaatata 360
 aattcaaaaat ccaaatacctc ataaatgtgt tcctggaatc tagacatttt cagaaagaat 420
 aaacctcccc ccaaacataa gacccagaag aaaaatccaa acagaaacaa gatgaccgat 480
 gacaatgtca ccagcaagag ggctgggagt gcccttccta tgtggggacc gtcctggggg 540
 aggacgggag cccgggtctt ctgtccgatg tcaactgctt tcccttctct cgacgctggg 600
 ggagggcaga ggtggggggc tcctgaggtt gttccagggt tccagaaggt acagactcga 660
 atgcatccca attccacttg cgccgccgac gcgacggaca gccctggcgc gccgggtccg 720
 ggtgggtggc gcggcgctag tgggagggcg acatggacca cgcgccctcc atgcgccaca 780
 cgagagaaggc gtagctgagg cgctcgtagg ccacgtagct gcagctgggc atcttattgt 840
 ccatctcgtc gctctgcagg acctggtaga ggaagtctat gtacctggcg gccagcttga 900
 gcgtctggat cttgctcagc ttgtcagagg gcagcgtagg gatgatcttg cgacgcgcg 960
 cgaaggcctc gttgagcgac tgggtgcgct ggcgctcgcg cacgttggcc aggatgcgct 1020
 ggctctgcag ctccctgaag gactgcgcgc tggggctgcc cttcttgccg cgcttgcccg 1080
 gggtcgggct gccatcttcg ctgcgacttct tgctgtagcg ccgcttccgg ccgaagcgct 1140
 tgggctgcct ctgcgaccgg

<210> 5364
 <211> 6277
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(6278)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (290)...(5310)
 <223> similar to gil200235 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5364
gggtcgaccc acgcgtccgc ccacgcgtcc gtgttctttc tgagagggga ctttcggctc 60
ctcagtgtct gggatgcaaa caggttgccg aggggtggat gacagcctga acccaggttg 120
cggggggtccc ctgtgtgcag ggaggctggt caccctgccc tctgcagcct ttctggcctg 180
ggcctctgtg atcatccagg cgggaggggg atgcagaggg aagctggcgg tggcccgtga 240
tggtggcaca gggcctcacc ggatgctgtc tcctccccct gctccccagg tgtaccagga 300
tgagttttgtg tcctcccaga tcaagatccc ctcagacacg ctgtccttgt accctgcctt 360
tgacatctac tacatctacg gcttcgtcag cgctccttc gtgtacttcc tgacgtgca 420
gctggacacc cagcagacgc tgttggacac agcgggcgag aaatttttca cgtccaagat 480
cgtgcgcatg tgcgcgggag actcagagtt ctactcatac gtggaattcc ccctcggtg 540
ctcctggcgc ggcgtggagt accgcttggt gcagagcgcc cactggcca agcctggcct 600
gctgctggcc caggccctgg gcgtgccggc tgatgaggac gtccctcttca ccatcttctc 660
tcagggccag aagaaccggg ccagcccacc ccggcagacc atcctctgcc tcttcaccct 720
cagcaacatc aatgccaca tccggcgccg catccagtcc tgctatcgtg gggagggcac 780
tctggctctg ccctggctgc tgaacaagga gctgccctgc atcaacaccc ccatncagat 840
caacggcaac ttctgtgggc tgggtgtgaa ccagcctctg ggaggcctgc atgtgatcga 900
ggggctgccc ctgctggccg acagcaccga cggcatggcc agcgtggccg cctacaccta 960
ccgccagcac tctgtggtct tcattggcac gcgcagcgcc agcttgaaga aggtgcgggt 1020
cgatggcttc caggatgccc acctgtatga gacagtcccc gtggtggatg gcagccccat 1080
cctccgagac ctgctcttca gcccggaacca ccggcacatc tatctcctga gtgagaagca 1140
ggtgagccag ctcccgggtg agacctgtga gcagtaccag agctgcgcag cctgcctggg 1200
ctccggggac ccgcactgtg gttggtgtgt gctgcgacac aggtgctgcc gcgaaggggc 1260
ctgtctgggc gcctctgccc cacacggctt tgctgaggag ctgagcaagt gtgtccaggt 1320
gcgggtccgg cccaacaatg tgtcagtga gtcacctggg gtgcagctga ccgtcacctc 1380
gcacaacgtg ccagacctca gtgcgggcgt gagctgcgcc ttcgaggcgg cggcggagaa 1440
cgaggcggtc ctgctgcccc ccggtgaact gctctgcccc tcacctccc tccaggagct 1500
ccgagctctt accagggggc atggggccac ccgcactgtg cggctgcagc ttctctccaa 1560
ggagacaggc gtgaggtttg ccggtgctga ctttgtcttc tacaactgca gcgtcctca 1620
gtcgtgcatg tcctgtgttg gcagccctta cccctgccac tgggtgaagt accgccacac 1680
gtgtaccagc cgccccacg agtgctcctt ccaggagggc aggggtccaca gccctgaggg 1740
ctgccctgag atcctgcccc gtggggacct cctgatcccc gttgggggtca tgcagcctct 1800
taccttgccg gctaagaacc tacctcagcc gcagtccggc cagaagaact atgagtgcgt 1860
ggtgcgggtg caggggcggc agcagcgggt gcctgccgtg cgcttcaaca gcagcagtgt 1920
gcagtgccag aacgcctcgt actcctatga aggtgatgag catggtgaca ccgagctgga 1980
cttctccgtg gtctgggatg gagacttccc catagacaag cctcccagct tccgagccct 2040
cctgtacaag tgctgggcgc agcggcccag ctgtggcctc tgccctcaagg ctgatccccg 2100
cttcaactgt ggctggtgca tctcagagca caggtgccag ctgcggaccc actgcccggc 2160
cccgaagacc aactggatgc acctgagcca gaagggcacc cgggtgcagcc acccccgcct 2220
cacgcagatc caccctctcg tggggcccaa ggaaggaggc acccgggtca ccatcgtggg 2280
tgacaacctg ggcctcttgt cccgagaggt gggcctgcgg gtggctggcg tgcgttgcaa 2340
ctccattccg gccgagtaca tcagtgtcga gaggatcgtg tgtgagatgg aggagtcgct 2400
ggtgcccagc ccgcccgccg ggcccgtgga gctgtgtgtg ggtgactgtt cagccgactt 2460
ccgcacgcag tcggagcagg tctacagctt tgtgacccca acgtttgacc aagtgagtcc 2520
cagcgtggc ccggcgccg ggggcacacg gcttaccatc tcaggcagct ctctggatgc 2580
tggcagcagg gtcacagtga ctgtraggga cagcgagtgc cagtttgtaa ggagagatgc 2640
caaggcgatc gtgtgcatct cacctctctc caccctgggc cccagccagg cccccacac 2700
acttgccatt gaccgggcta acatctccag ccccgggctc atctacacct acactcagga 2760
ccccaccgtc acccgccctt agcccacctg gagcatcatc aatggaagca ctgccatcac 2820
tgtgagtggg acccacctgc tgacgggtcca ggagccccgg gtccgtgcca agtaccgcgg 2880
cattgagacc accaatacat gccaaagtgat caacgacact gccatgctgt gtaaggcccc 2940
cggcatcttt cttgggcggc cccagcctcg ggcgcaaggc gagcaccttg atgagtttgg 3000
cttctgtctg gaccacgtgc aaacggcccc ctccctcaac cgctcctcct ttacctacta 3060
ccctgatccc agctttgagc cgctggggcc ctctggcggtg ctggacgtca aaccgggctc 3120

```

ccacgtggtg	ctgaagggca	agaacctgat	tcccgcggca	gccggcagct	cccgcctcaa	3180
ctacactgtg	ctgataggag	gccagccgtg	tctgctcact	gtctcggaca	cacaactcct	3240
gtgcgactca	cccagccaga	ctggccggca	gcctgtcatg	gtgctggtgg	gtggcctgga	3300
gttctggctg	ggcaccctgc	acatctcggc	agagcgggcg	ctgaccctac	cggccatgat	3360
ggggctggcg	gcggggggtg	ggctcctgct	gctggccatc	acagccgtgc	tgggtggcgta	3420
caagcgcaag	actcaggacg	cggaccgtac	cctcaagcgt	ctgcagctgc	agatggacaa	3480
cctggagtec	cgtgtggccc	tggagtgcaa	ggaagctttt	gcagagctgc	agacggacat	3540
caatgagctg	actaaccaca	tggacgaggt	gcagatcccc	ttcctggact	accggactta	3600
cgcctgcgcg	gtgctcttcc	cgggcatcga	ggcccacccg	gtgctcaagg	agctggatac	3660
gccacccaac	gtggagaagg	ccctgcgcct	cttcgggcag	ctgctgcaca	gccgcgcggt	3720
cgtgcttacc	ttcatccaca	cgtcggaggc	ccagagcagc	ttctccatgc	gcgaccgcgg	3780
ccogtggcc	togctcacca	tgggtggccct	gcagagccgg	ctcgactatg	ccacggggct	3840
gctcaagcaa	ctgctggccg	acctcatcga	gaagaacctc	gagagcaaga	accaccccaa	3900
gctgctgcta	cgcaggacag	agtcagtggc	tgagaagatg	cttaccactc	ggttcacgtt	3960
cctgctgcat	aagtttctga	aggagtgtgc	tggggagcct	ctcttcctgc	tttactgtgc	4020
catcaagcag	cagatggaga	agggccccat	tgatgccatc	acgggcgagg	cacgatactc	4080
cctgagcgag	gacaagctca	tccgtcagca	gatcgactac	aagacactga	cccttcactg	4140
cgtgtgtccg	gagaacgagg	gcagcgccca	ggtcccagtg	aaggttctca	actgtgacag	4200
catcaccacg	gccaaagata	agctgctgga	cactgtgtac	aagggcattc	cgtactccca	4260
gcgtcccaaa	gctgaggaca	tggacctgga	gtggcgccag	ggccgcatga	ctcgcatcat	4320
cctccaggat	gaggatgtca	ccaccaagat	cagtggtgac	tggaagaggc	tcaactcact	4380
ggcccactac	caggtgacag	acggttcctt	ggtggcattg	gtgcccacac	aagtgtctgc	4440
ctataacatg	gccaactcct	tcaccttcac	cogctccctc	agccgctacg	agagcttgct	4500
ccgcacggcc	agcagccctg	atagcctccg	ctcacgggca	cccatgatta	cgctgacca	4560
ggagacaggc	accaaattgt	ggcacctggt	gaaaaaccac	gaccatgccg	accatcgcg	4620
gggggaccgt	ggcagcaaga	tgggtctccg	gatctacctg	acacggctgc	tggccaccaa	4680
gggcacactg	cagaagtctg	tggatgacct	ctttgagaca	gtgttcagca	cagcccaccg	4740
gggctcggcc	ctgccccctg	ccatcaagta	catgttcgac	ttcctggatg	agcaggcgga	4800
ccagcgccag	atcagcgacc	ccgatgtgcg	ccacacctgg	aagagcaact	gcctgccgct	4860
gcgcttcttg	gtgaatgtga	tcaagaacct	gcagttcgtg	ttcgacatcc	acaagaacag	4920
catcacggat	gcctgcctgt	cgggtggtagc	ccagaccttc	atggactcct	gctctacatc	4980
cgagcaccgc	ctgggggaagg	actcgccctc	caacaaactg	ctctacgcca	aggacatccc	5040
caactacaag	agctgggtgg	agagggtatta	tgcagacatt	gcaaagatgg	catccatcag	5100
cgaccaggac	atggatgcct	acctggtgga	gcagtcccgc	ctccacgcca	gcgacttcag	5160
cgtcctgagt	gcgctcaacg	agctgtattt	ctatgtcacc	aagtaccgcc	aggagattct	5220
cacggctctg	gaccgagatg	cctcttgctg	gaagcataag	ttgcggcaga	aactggaaca	5280
gatcatcagc	ctcgtgtcca	gcgacagcta	agggtggtgga	atcggtgagg	agggggcttc	5340
tcagtctctg	gccgtcctcc	catccagggg	agtggctggc	tcaagcctgg	gtccccgggc	5400
tgagccctgg	attgggtatc	gtggggcagg	tcacctgggc	cacgatgccc	ccggcacacc	5460
caggcccccct	tcattagtgc	cttgcttttg	gcctgcagg	gggaggggtg	acagggcgag	5520
ccccaccccc	agcagcagca	atacccccac	cctcctgccc	tgtgcccagg	tgttgggaca	5580
gtcccaccct	ccctgctatt	tatatccctc	tgccatttta	ttgaatcgaa	cttcgcctct	5640
gtctccatct	gtaaaatatgt	gtccccccac	cggatgtcgc	caccctcact	cacctgcctc	5700
ttcttgagct	gtcctggggc	ctgccacccg	tctgggctcc	tttgtgtage	attatcagcc	5760
tgggtctggc	ctctggcacc	tcacctttgc	catggctgac	cccacccatt	ccaaggcggg	5820
gtcacggtac	cagcagcact	tggggtgagg	cctccaaagc	ttcctcagaa	ttgtggctgt	5880
gccacgctgg	accacagggg	ccccctcaag	catctcgggg	ccctattctc	tctgagcacc	5940
tggaggcgtg	gactcaggct	tgtgccaggc	cctgacttgg	gcctgggggc	cctagaacac	6000
tcctcctcct	gagcctactg	ccaaacgtcc	ctcagtgtgt	ctgcacctgc	tccgactcct	6060
tcagccgccc	cattcagcgc	ccgctccgtc	cagtcccgcc	cctgtggggc	caaggcgccc	6120
gtgccttact	actctgtgtc	ttctgcctcc	tctgaggaat	ctggccctgt	ctgacagtcc	6180
cagaccccc	gttctctcct	ctttagttgc	atgagttttt	ctttgttcat	ggaatgtttt	6240
ttcctgatta	aatgttgggg	aaatgccaaa	aaaaaaa			6277

<210> 5365
 <211> 566
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (9)...(455)
 <223> similar to gil310709 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5365
 cgccccccga gcaccccttc tttgtatatg gccagggttg gtcctcttgc agccctgggc 60
 ggacgacaca actcttctct ctgccctgcc atcggttaca ggtgggagat gtctgcatct 120
 ctatcagttt acagagcttg aacagtaact cagtttctca ggccggctgt gctccctcaa 180
 gccagctggg tccccccga gaaaggcctg agaggacggt cttgggatcc agagagctat 240
 gtgacagtga ggggaagagc cagccggcag gagagggtc ccgtgtggta gaggccttccc 300
 agcttgagtc cgggtgctcag gcctgctggc cagccccgag cttccaaaga tacagcatgc 360
 aaggggagga ggcacgggct gcgctgctcc gtccctcttt cattccacag gaggtaaagc 420
 tgtccattga agggcgctcc aatgcgggaa aatgaacctc tccccagac caggactggg 480
 gctttacccc agagcctcgc ctgcgccgcg tgagcaggca gaggatttgc acacgcccga 540
 gcaaggaatg ggctttctgg cagtgg 566

<210> 5366
 <211> 902
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (5)...(739)
 <223> similar to gi908805 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5366
 tggctctgtac tatggggaga ctgctcagat ccagtcaccac atcagcgaca cgtccatcat 60
 cctgtccatg gacaacaacc ggaacctgga cctggacagc atcattgctg aggtccgtgc 120
 ccagtatgag gagatcgccc ggaagagcaa ggccgaggcc gaggcctgt accagaccaa 180
 gttccaggag ctgcagctag cagccggccg gcatggggat gacctgaaac acaccaaaaa 240
 tgagatctca gagctgaccc gtctcatcca aagactgcgc tcggagattg agagtgtgaa 300
 gaagcagtgt gccaacctgg agacggccat cgctgacgcc gagcagcggg gggactgtgc 360
 cctcaaggat gccagggcca agctggatga gctggagggc gccctgcagc aggccaagga 420
 ggagctggca cggatgctgc gcgagtacca agagcttttg agcgtcaagc tggccctgga 480
 tgtggagatc gccacctacc gcaagctgct ggaggggcag gagtgcagga tgtccggaga 540
 atataccaac tccgtgagca ttccggtcat caacagctcc atggccggga tggcaggcac 600
 aggggctggc tttggattca gcaatgctgg cacctacggc tactggcca gctctgtcag 660

cgggggctac	agcatgctgc	ctgggggctg	tgtcactggc	agtgggaact	gtagcccccg	720
tggggaagcc	aggaccaggc	tggggagtgc	aagtgaattc	agggactccc	agggaaagac	780
cttagctcta	agctcaccca	ccaaaaaaac	catgagataa	aagtgcaaca	cagcccattt	840
cccagtagtc	tgccttgccc	tggcagactg	ctccggactc	ttctaggaaa	ttcctctgtc	900
tc						902

<210> 5367
 <211> 1762
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1763)...(538)
 <223> similar to gi34073 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5367						
tttttttttt	ttgaatgaca	aaagcatttt	attgaagatt	cacctgcaga	tggataagag	60
ggaatgagag	gagtagaatg	ggacactaag	tggttctcat	cctaagcttg	cagggccaag	120
tgctgccggg	tgttgagaaa	gtagtttttg	ttctgatgta	aatggataat	accaggatct	180
agtggggaga	tggcatttga	ctgggaaggg	acatatgtga	ccccataat	ttctggagat	240
gacactcctg	gtcattttct	tctctgcccc	tgggaggtga	gaggtcagct	gacatccttc	300
ccattccagg	tgggtcacca	ggcccaaadc	aagaagtagc	taccaaactc	caagaggcag	360
agtccctgtc	ccagcacaga	agatcatcct	ggggcagaga	gagcccatgg	gatagtggag	420
gggatactag	taagatgagc	cccagagaca	gaggatggag	gtgaagtga	ggaagcacag	480
agacaccagt	gctgggcccc	gctggacaca	gtgagctgca	gggacctcgt	ctcctctatc	540
gtctcttggt	caggggtgtg	gtagagatga	tcttgctgct	ggaactgcca	gagacactgc	600
caccaaacc	aaagccactt	ccagagccgg	agccaaagcc	actactcagg	ccaaaccg	660
agcccattcc	taatcctccg	ctgatgcctc	cagtgcctgt	gctaccgctg	accacagaga	720
tgctcacggc	actctggcat	tctccagaca	ttctgtactc	ctcgccctcc	agcagtttgc	780
ggtaggtggc	gatctcgatg	tccaaggcca	gcttcacact	catgagctcc	tggtagctac	840
gcagcattcg	tgccagctcc	tctttggcct	gctgcagggc	agcctccagc	tctacgcgct	900
tgctgtgggc	atctttaagg	gcattctcac	ctcgctgctc	tgcatcagcc	acggatacct	960
gaagagtctg	gcactgcttc	ttgatgttct	cgatctctgc	ccgcagcctc	tggatcatcc	1020
tgttgagctc	tgaattttca	ctcttggtgt	tcttcagggt	gtcaccatgt	tgggtcaaccg	1080
agatctggag	ctgctggacc	ttggtctggt	acagggtctc	agcctcagcc	ttgctcctct	1140
gggcaatctc	ctcgtagctg	gcacggacct	cggcaataat	gctgtccagg	tccagggttc	1200
ggttggtgtc	catggaaaag	accacggacg	tgtcgctgac	atgggtctgc	atctgggaca	1260
gctccgcata	atagaggacc	ttcaggaagt	tgatctcgtc	attaagactg	tccaccttgg	1320
cctccaactc	caccttggtc	aggtaggcag	cattccagtc	cttcttttag	accacaaagt	1380
cattctcggc	tgtgtgtcgt	ttgttgatct	cctcttcata	cttagtcttg	aagtcctcca	1440
cgctgtcctg	catggtcttc	agctcagact	gcaggcgccc	tttgtcattg	cccaagggtat	1500
ctagctgctt	cctcaggaca	ctgaggtagg	tctcaaagag	gggctcaagg	tttttgctgg	1560
aggtggtggt	cgtctgctgc	tggagcagg	tccatttggt	ctccaggacc	ttattctggt	1620
gctctaagaa	ctgcaccttg	tcgatgaagg	aggcaaacct	gttggtgagg	agcttgatct	1680
gttcgcgctc	ttccgtccgg	actttctgga	tctcagggtc	aatctccacg	tggagggggg	1740
tgagcaagct	ctggttgagt	ga				1762

<210> 5368
 <211> 1935
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (29)...(1271)
 <223> similar to gi3645954 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5368
 tggctctgca gcaggaagca cctacgaacc atcctccatg cgactggagg ccttacaggt 60
 attgactctt ctggcaaggg gctacttttc aatgactcaa gcctacttga tggagcttgg 120
 agagggtgatt tgcaagtgca tgggggaagc agatccatcc attcagcttc atggagcaaa 180
 gcttctggaa gaactgggca caggcttaat acagcagtat aaaccagact ccactgcagc 240
 acctgatcag agagcaccag tcttcttggg ggtgatgttc tggactatga tgctgaacgg 300
 tcctttaccc agagccctgc agaattcaga acacccaact ctccaggcga gcgcctgtga 360
 tgccctgtct tccatcttgc cagaggcctt cagcaatctg ccgaatgaca ggcagatgct 420
 gtgcatcaca gtgctgctcg ggctgaatga cagcaagaat cgcttagtga aagctgcaac 480
 ttcacgggcc ctgggagtct atgtgctttt tccctgtctc agacaggatg tcatatttgt 540
 tgcagacgca gcaaagtcaa tattgatgtc acttgaagac aagtctctga atgttcgagc 600
 caaagcagcc tgggtccctgg gcaacctgac agacactctg attgtcaaca tggaaacacc 660
 agacccaagt ttccaggaag agttctctgg tctcctgctc ttgaaaatgt tacgatcagc 720
 tatagaagca tccaaggata aagacaaggt aaaaagcaat gcagtcgggg cccttggaaa 780
 tttgcttcat tttctgcaac cctctcatat agaaaaacc acatttgcag aaatcattga 840
 ggagtctatc caggccctaa tttctactgt tctaacagaa gctgccatga aagtcogatg 900
 gaatgcttgt tatgcaatgg gaaatgtatt taaaaatcct gcccttcctt tagggacagc 960
 cccatggacc tcccaggcct acaatgccct gacatcggtc gtgacatcat gcaagaactt 1020
 caaagtgcgc atcagatctg cagctgccct ttccgtcccg gggaagagag agcagtacgg 1080
 gtctgttgac cagtatgtct ggatctggaa tgcattgggtc accgctttac agaagagtga 1140
 agacaccata gactttttgg aattcaagta ctgtgtcagc ctacggaccc aaatctgcca 1200
 ggcactgatt cacctcttga gcttggccag tgcctcggac ctcccttgta tgaaagaaac 1260
 ccttgaactg agtggggaata tgggtccagtc ctatattcta cagtttttta aatcaggagc 1320
 agagggagat gacactggag caccacacag cccacaggaa agagaccaga tggtcagaat 1380
 ggcccttaaa cacatgggca gcatccaggc accaactgga gacacagcca gaagggccat 1440
 catgggcttt ttaggaagag atcctggcgg tttgttttgg actcatctgg tttcacaagg 1500
 gggcactccc aggggttaaca aatccagtga agatccccac ccatactttc ctagatgtcc 1560
 gaaggcggca gtaggaagga cctgaagctt gagcataagc atctgtggga tttcatcctt 1620
 cggggcagaa acaatccgtt cacgtattta tttagaatga ccttagcagc ccatttaaat 1680
 tttcacagag ggctcaaccc acctttggag tgactcccat agcactggcc atgggtcaggg 1740
 ttgttggaac atctgacctg tgcattccag gagccgagga gtcaggttgt aataccaggc 1800
 caagcagacg ggctttgagg gcatttagtc tcagaaaaaa aaaaatgtag aaggatttcg 1860
 gaattagaat tttgtgtatt gtatctgtag ttttgaata aactaacgaa aaatagtgtg 1920
 tccccaaaaa aaaaa 1935

<210> 5369

<211> 1293
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (58)...(418)
 <223> similar to gi3941728 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5369
 ggctttggga ggggagccct gatccgcctg aatatctggc cggcggttca aggggcctgc 60
 aaacagctgg aggtctgtga gcaactgcgtg gagggagaca gagcgcgcaa tctctccagc 120
 tgcattgtgg agcagtgccg gccagaggag ccaggacact gtgtggccca atctgaggtg 180
 gtcaaggaag gttgctccat ctacaaccgc tcagaggcat gtccagctgc tcaccaccac 240
 cccacctatg aaccgaagac agtcacaaca gggagccccc cagtccttga ggcccacagc 300
 cctggatttg acggggccag ctttatcgga ggtgtcgtgc tgggtgtgag cctacaggcg 360
 gtggctttct ttgtgctgca cttcctcaag gccaaaggaca gcacctacca gacgctgtga 420
 gtacctggcc agcagcaagt acctgagtc cagctcacct cctggttcct gccccaccgt 480
 tccccttcag taccaggggt gctgtcttct ccatgggcaa gccctcagga cggtgacagc 540
 gtgctccatg tgagccacac cccttttgtc tcctccagtt ggggtgtttc ctttgtcaga 600
 tgttggtctg gaccaggact cagcctgggc cagtctagga gccagctga gccctcctgt 660
 gtcttttccc ttcatgctgc cagcagggaa gagaaccagt aggtgccagc ccaggcaagc 720
 ctgtggcccc cgtttctgtg gctgtgggca ggagctgggc cttgtgtcta gttgggtttt 780
 gctctgagaa ggggagctgt gcctgaggcc ctctgtgtgc cgtgtgtgct gtggggcggg 840
 tcgccacagc ctgtgttaaa gtgtttgtc ttctctgtc gcctcctctc gaggcagggg 900
 gtccctgggt ggctgaggca gtgtcacct cctgagtgtc ctctttggcc tctgcagaat 960
 ctgacccctt tgggcctgga ctccatcctg aggggaaagg aggatgcaga ggggtggcctc 1020
 tgggcaccct tgtgggtaag cggggggcgg gggcgggaaa aactctggcc gccagttttt 1080
 ggctcctgcg ggcaccaagc agggcaagtg tttaatgcct gacatctcct cctgtcctgg 1140
 gcctggaacc tgcagctgag aaaatccctc aaccacctcg tctcctccat cggccctgct 1200
 gggcccccca gccctgacag tgggttgtat gcctgcctct ttccaccaac tggcctgggc 1260
 actgccccca aataaaggaa ctctgcactg caa 1293

<210> 5370
 <211> 1890
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1892)...(740)
 <223> similar to gil595868 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5370
 tttttttttt ttggtaaaat agctttatcc tctgtcagaa cacaacaaa caaactttga 60

gaggggagga	aggaaccgt	ctagctcagg	gctcacttag	gagagggatg	agattagaaa	120
gttcaacaca	ctgcttgtgc	agctggagat	aaagtcaaga	ccctagcacc	cacttataaa	180
tatctcgtta	tattaaaaaa	aaaaaaaaatg	tccagggccc	acctggctct	gctcctgcac	240
agaaaggggt	catcttcact	ttgtgatctc	acaggtcatg	gagttagggg	ggtagagagg	300
ggcagaaatt	tcagggggag	gggtggctgg	gaaaaagtaa	aggggacaag	ccaatgtgta	360
actagcgctc	tccaagacat	gcagaggagt	gggggtggcc	tgtcaggggc	tgaaaagaaa	420
agccagtgtc	gtacctgggg	ggttgtctca	ctcctgtccc	cacaatccct	gatactccgg	480
agtgatctgt	cctttcagac	acccactgtg	aggtcccaat	atcgggggtt	atcctttcct	540
cagtcccagc	ctgttcagct	ctccaaccaa	gttttggggg	cccctcta	gggggggatg	600
gccccagttg	cttaggcctc	tgaggtaaac	ccctttacat	cacagccctc	tccccaaata	660
agaagcatga	ggtgagctgg	aggaccctcc	ctgggaggag	ggtgttctgg	ggggtgagcc	720
agttttgggg	tcccccttca	gtccctgacc	aggcggtaaa	tgtgatgctg	ggccccacgc	780
tcgctgggtg	agacctcgaa	gacataggcg	gtgcagagca	gcagttcctg	ggtgtctctg	840
tttgtacca	cctggaggat	ggtgaagtgt	tccaggacgc	tgttcacat	gtatcgctca	900
ggcagctgcc	gcaacttgtg	caagaagtgc	accaggta	cgacatggg	cgagcgagc	960
aggcggtaca	caaatctgcc	gtcctccagc	tggggccgtt	ccgtctccac	cttctccacc	1020
acctgcttgc	caaaagagca	gaccttgag	gaacagggtg	gggtcatgtg	ttccaggctc	1080
tcatactggc	tgctcactcc	gtagaagcca	ccactgctga	tgctgccacc	ggccccctgc	1140
tcctcaccac	ttggggccca	gttcagggtc	gcccagaact	tgaccaggaa	gaaggcatgg	1200
ggggggccac	gatcatatag	ctctcgagg	ccaccctttt	tctcagggaa	tttgtcgtag	1260
atctgccgga	cgtccacact	ctcgagcggc	ggcgctccgg	ggctggggca	gtgctggctg	1320
atgtgcacga	acaggtgcct	ctggtaagaa	tcaactgcat	ctggcggttc	cacgaaggct	1380
gagaactcta	ccagctgcaa	ccgggcggtg	cccaggcccc	gagcctgcca	ggctgggggc	1440
gatggggtag	gtgggggag	gggtgagagg	gcttgggggg	gctcgtaacc	tgggaggtca	1500
gtagatgggg	gagtcagtga	caagggtgaa	ggtgtctgtg	agaatggctt	cacatctgga	1560
acattccagg	ggggccaga	tcctccagac	caaaactgga	aaagctcaga	ggcctggacc	1620
acctgaggac	cagtgggacc	cagtttggtc	tgagagaaag	gcgcggagat	gagctgggca	1680
gaggacatgg	ttgccattgt	ctggaaagcc	ttgtccttgg	aaacctgggtc	cacgttcaga	1740
gccttcaact	tggactggat	ttcccttgat	ttccttcggg	ccaaaccctg	gatgtgacta	1800
gaaacctgtt	ttcgagttcg	ggtcttcccc	gttctcagct	tgatgtagcg	ggcgatcagt	1860
tcattccgac	catacatctt	gccttcatca				1890

<210> 5371
 <211> 1046
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1047)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (696)...(220)
 <223> similar to gill176422 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5371
 gggctcagac aggtctgacc agtctttaat gggcaggcag gtgcccagg cagcctccag 60

```

catgaggcgg gacaggcatt gcccgagggt cctctgggtg gggagggcat gctcgggtgct 120
tgctgccagc tggagccagg gctgaggcgt gcagggatcc ctggccctca cggccaccct 180
gggtgcttca aggatgaggg cggagctggc ttacttgggg cacagggtg ggggcagcct 240
ccagtcttgc cctgctgggc ctttcggctc cagttgagga ggggccgggg actggccccac 300
gtggatgccg ggggtcttgca accatgctcc ctctggctcc ttagaagccc cctggggccc 360
agcaggacgg gccggcgggtc cccaagctg ggcagtctag agctgggcag cagcgacacc 420
acctgcaggc tggcgccgc ctctcccgca gccttcagct ccgtcaccac ctccgcgtgt 480
ctccaccacc tgcattggtg cccattcact gacacaatgt agtcgccctc cttcaggcca 540
gccgccggc cctggctccc tggaaatgac gcagcgatga ggacaggcga gtctccccga 600
agcgtgaggc caaagccgcc ctctcctcgg gtcagggtga cgggccccac cagccgccac 660
cggttcttgg ctgagaacac agacaggggc ccctggcagg ggctcagagg tcagaggccc 720
agctgggcca cacactgagg agacccccacc tgactagcac atccatccaa cctgtgcacc 780
gagggacacc gtgggggttcc acaagggtgg tggggagggc tggaccacca tcaatggcct 840
gtctgaggcc atgtgctggg cagagccaca cagcccaagc tgcccatgct gggcgggtg 900
tggggacggg tgtgctcacc agccgatgga agatgtcagg ccccttcccc tgggacaggc 960
gtggcatcct ggccctctggn ntccnccgc nctggcgagc tggactcagg tttttcaatt 1020
gngggggng ccctggaacc ataaca 1046

```

```

<210> 5372
<211> 1020
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (437)...(839)
<223> similar to gi3868778 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5372
agctgtgttaa aatatttggt gtgcttggtt agaattgaat tgtaatgttc taaagcgagc 60
aattatttct taccatggaa gctgccaaac ctctaatact tctatacttt gccagtgtgt 120
ctaaattgca ggagatattg gtaccctaag cagaacagac acaaccttct cagacacagg 180
aggatgaccc tgtttctaaa tagctgcaca gtctagttct ctctcctggt tactcgttgt 240
tagtttagtt gtctaagact atgcgcttgc tgaggacagt cttttttgaa ttctccagcc 300
cctatcgagc tgtctggcat gtgatgagag aacaggaata tttgttgaaa agtgaaaatg 360
catattccat cccatcctgc cccctttcct cctctccct ccttcttct accctcacac 420
taacctttgg gttttgcttt ctaggcaaag caggaaaaat gccagctcgg tctcccagga 480
ctcttgggag cagaactact cccctgggga aggttccag agtgccaaag agaaccacag 540
gtactccagc taccaaggct ccaggaacgg ctacctggga ggacatggct tcaacgccag 600
ggtcattgct gaaactcagg agctccttcg ccaggaacag aggcggaagg agcagcagat 660
gaagaagcag cctccttcgg aggggcccag caactatgac tcgtataaga aagtccagga 720
ccccagttac gcccctccca aggggccctt cgggcaagat gtgccccct ccccttctca 780
ggttgcgagg ctgaacagac ttcagactcc tgagaaaggg aggcccttct attcctgagc 840
acgcaaataa cggatgcttc atgtcgcgca ataaaagaca ttttcctatg aagacttgta 900
ttttgggagt ttttttaaaa cctcgatggt actatggagt atttctgttg ttggtatcag 960
tgcccttaag cgggtgtaggc aaagaaatgg aaggccttaa tgtctttgcc actatgtctc 1020

```

<210> 5373
 <211> 1476
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(576)
 <223> similar to gi4164385 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5373
 agggaggagc cctcacagac atcgtctccc aagtcaggct gaatgaggag cagattgccca 60
 ctgtgtgtga ggctgtgtcg caggccctgg cctacctgca tgctcagggt gtcattccacc 120
 gggacatcaa gactgactcc atcctgctga ccctcgatgg cagggtgaag ctctcggaact 180
 tcggattctg tgctcagatc agcaaagacg tccctaagag gaagtccctg gtgggaaccc 240
 cctactggat ggctcctgaa gtgatctcca ggtctttgta tgccactgag gtggatatct 300
 ggtctctggg catcatggtg attgagatgg tagatgggga gccaccgtac ttcagtgtact 360
 cccagtgca agccatgaag aggctccggg acagccccc acccaagctg aaaaactctc 420
 acaaggtctc cccagtgctg cgagacttcc tggagcggat gctgggtgcgg gaccccccaag 480
 agagagccac agcccaggag ctccctagacc accccttcct gctgcagaca gggctacctg 540
 agtgctgtgt gccctgatc cagctctacc gaaagcagac ctccacctgc tgagccccacc 600
 ccaagtatgc ctgccacctc cgcccacagg cagggcacac tgggcagcca gcctgccggc 660
 aggacttgcc tgccctctcc tctcagtatt ctctccaaag attgaaatgt gaagccccag 720
 cccaccctc tgcccttcag cctactgggc caggccggac ctgccccctc agtgtctctc 780
 cctcccgagt ccccgatgg agacccttt ctacaggatg accccttgat atttgacag 840
 ggatatttct aagaaacgca gaggccagcg ttctggcct ctgcagcca cacagtagaa 900
 aaggctgctg tggtttttta aaggcagttg tccactagtg tcctaggcca ctgcagagg 960
 cagactgctg gtctccacag atacctgctg ttctcagctc cagcttcaaa cctcgagtct 1020
 cgagagggcc acgggtggt ttttatgacc ggaatccgc ttccctccctc acgtctgatg 1080
 tcctgaaggt gcagtccac ctgtacagcc cctccccgcc aagaactgtg aatggcctgc 1140
 tccaggccat ggctgggggc agggagttag gggacaattt ctgagtgaag gagaaagaat 1200
 ggggtcgggt gtgaagggtg tctcacttta cagaatggag agaacatcgt gtgtgtgtgt 1260
 gtgtgtgtgt gtgtgtgtgt gtgtgtgtgt gtgtgtaagg ggaggaaagc caccttgaga 1320
 gtccaggctc ctataggtca cccacagaca gtttgaggag ggctgcctct ctctccact 1380
 aatttctggc ctgaaggagc ctgctttatt ggtgtgtctt ccacctctac actcgtgtgt 1440
 atacctggcg agtgaggtg tccacgctat gtctca 1476

<210> 5374
 <211> 1687
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1683)...(1055)
 <223> similar to gi2739433 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5374

gcggccgcat	ctggctcctc	cagggattcg	gcggcggggc	tgccaggctg	aggctcggcg	60
tcgcggtcct	cgggagggcc	cctctctgct	ccagggtgcac	tcatttcac	cgtcgagcct	120
ttcagtttgt	tgctaagcct	gaaggtctct	aagattttgt	cttctgggag	agacagcaaa	180
ggagcaggca	tcaactttcc	aggaagaccg	tttgcttag	caaagggatt	ttctgagtgc	240
agggcaggct	ggccttgga	gctgggcacc	atcaggcgct	aggccgtttt	ctttcgggtc	300
actgtcgctg	tctgcactat	tagcaccgtt	tagggtcagt	ggttcttgaa	gctcgtgcgg	360
agtggcctcc	tcatcttcgg	catcttgacc	gggagagtgg	gagctcaca	tcgtaccaat	420
cccattctcc	ttgcccagcc	cctttgactc	ctcgtcagag	tcctcagagg	actcggcgcc	480
atagggcacc	agcacgctgg	agttcagctt	ggatttgcca	ttcatcacgg	gctgggagca	540
ggattcactg	cgggggatcg	gttttggtac	tttactagaa	actgacatcg	tagatgcgtt	600
cagggtagac	tgtactgcag	aattggtaat	ggtagaaaag	ggaacgggct	tggtaggggt	660
ctccaaagaa	ttactatgaa	ggttaggttg	agactgacac	tggcgaacag	gcaacttggt	720
gtgaatactg	attgtaattt	tttggttctt	aggatgttct	gggatcactg	aggacctatt	780
aactgaccag	ttttggacag	aagctgaagc	attaacagga	ctagccctgt	tgacactgga	840
attcccggtt	ggactcgaca	tggaactgct	tggcgtgtct	ttcaatggtc	cagtccatt	900
taagtgaggt	ggattcttta	tcatgtgaga	gggaagctgt	ggtccgataa	agcctggcgc	960
agcctgtttg	ttggtgacaa	cccgtgact	gatgacgggg	cggggagagg	actggccggg	1020
gctatgggtg	ggatgagtaa	gttcacctcc	atttttcaca	tcatgggacc	tgatataaaa	1080
gagcacatag	gcttggtggc	tgagtaccga	tctaatatca	ctggtagata	caatggagtc	1140
attcatttga	taccagaggc	cattgctagc	ttttatgtag	cagaagtaat	ggccagcatg	1200
gcaattaaaa	ccagtgtgga	ccagcactgc	atacaagacg	tagacaattg	gctctccgtt	1260
gggttgagac	atatatggcc	gaatatcaag	atactcaggg	tatttcacat	ccttagcaat	1320
ttttccaccg	gtaaaatttg	caaaacgttt	cagagaaagt	gtaagaacat	tagaggatct	1380
atggatagtg	aacctctttg	aagctggaac	catcttttta	cacttgctgc	acttgtagca	1440
gttttctcca	tcaagctgtt	ccggcttcac	aaactgctcc	aatgccttgt	tgacactctg	1500
agcagccttt	atctccaatg	ttatatcaag	atatggatca	aaagtatctg	aaacgccttt	1560
gcaattttaa	catttgactc	tagatcttag	gtatcctcca	aatatctgac	aaacaagagt	1620
ggtggcctgg	gtgtgtctgt	ctaatttatt	gctgccattc	aagcatgccg	acgcgtgggt	1680
cgacccg						1687

<210> 5375

<211> 789

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (790)...(382)

<223> similar to gil62781 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5375

ggtttaaaaa	aatcattctt	accaccaata	cagcaattaa	taaagttcct	actctttgga	60
atttattcac	taaataagca	ccacctttta	aaatctactc	cattagaact	ctaccccaca	120
acctccccac	catatatatg	caagtcacata	taaattccaaa	tctcaaaaag	ctgatataca	180

aaccactcag	aacatttttc	gtgaaatatc	tgttttaatt	cagcagtaaa	aggcagcaca	240
tgatcagaaa	tatgtagggg	tgtgaaagag	cttgccagga	aatgagagct	gttgcacagg	300
gtatcagcaa	ctgtgtacag	cttggcaagg	ttttcagtcc	tgctctccag	ggaggatctt	360
gacttctcag	ttcccacttc	aggaatacat	ggtcaactgc	agccactctt	tgatagacac	420
ttgaatcagg	ccatctctat	ctctatccag	agacttgaag	gcacgaaaca	tggcatccag	480
gcggaccaag	cagctgatga	aattgttaaa	atccatatct	ccatcttcat	tagcataccg	540
gcggacaatc	atttggtaaa	gttggttcatt	tagctggaag	cctgcggcct	gcagagctcc	600
ccgcagctga	gaacttccca	gagacccaga	atggtccctg	tcatactgct	tataaacaca	660
ctgccatttc	ttgatgttgt	tccacagata	cttaaattct	tcaaagccca	gcttaccagt	720
cgtgtcactg	tccatgacag	acacaatgct	ccggcaggtg	tcaagactaa	aaccgtcagt	780
cttaagatc						789

<210> 5376

<211> 2142

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (129)...(1308)

<223> similar to gi3877668 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5376

aaggaaatca	gcaagagaaa	gaaaggctctg	tggatttaaa	ctttcttcca	tcggttgatc	60
ctgaaacagt	tcttcagaca	gggcatgaat	tgttgtccga	attacagcag	cgtcgattta	120
atggctcaga	cggagggggt	tcatgggtctc	ctatggatga	tgaacttctt	gcacagccac	180
aggttatgaa	attattagat	tactcccgag	agcaatatac	ccgctaccag	gaagtttgta	240
ggcaacgtag	caagcgcaca	cagttagaag	agattcaaca	gaaggtaatg	cagggtgggtga	300
actggctaaa	agggcctgga	tcagaacaac	taagagccca	gtggggcatt	ggagactcca	360
ttagggcctc	ccaggcccta	cagcagaaac	acgaagagat	tgagagccag	cacagtgaat	420
ggtttgcagt	gtatgtggaa	cttaatcagc	aaattgcagc	actcttgaat	gctggcgatg	480
aggaagatct	tgtggaacta	aagtcactgc	agcaacaact	tagtgatggt	tgttatcgac	540
aggccagtca	gctggaatct	aggcaaaatc	tcttacaagc	agctcttgaa	tttcatgggtg	600
ttgcccaaga	tttgtctcag	cagttggatg	gcttattagg	gatgttgtgc	gtagatgtag	660
caccagctga	tggagcatcg	attcagcaaa	ctttaaaact	gcttgaagag	aagctgaaaa	720
gtgttgatgt	gggattgcaa	ggtttgcgtg	aaaaagggtca	aggtctcctg	gatcagatct	780
ccaatcaggc	atcctgggcc	tatggaaagg	atgtaaccat	tgaaaataaa	gaaaatgtgg	840
accacataca	aggagtgatg	gaagatatgc	agcttagaaa	acaaagatgt	gaagacatgg	900
tagatgtgcg	aagggttaaag	atgcttcaga	tgggtgcagtt	gtttaaatgt	gaagaagatg	960
ctgcccaggc	agtagaatgg	ctaagtgaac	ttctggatgc	tctgcttaag	actcacatca	1020
gattgggctg	tgatgctcaa	gaaacgaaag	ttttgctgga	aaagcataga	aaatttggtg	1080
atgttgacac	gagcacttat	gactatggca	ggcagttgct	acaggccaca	gttgtgttat	1140
gccaatcttt	gcgctgcact	tctcggtcat	ctggggatac	acttcctcga	ctgaacagag	1200
tatggaaaca	atttacaata	gcatctgaag	agagagtaca	tagattggaa	atggctattg	1260
catttcactc	aaatgctgaa	aagattttgc	aggactgtcc	agaagagcct	gaagctatta	1320
atgatgagga	gcaatttgat	gaaattgaag	cagttgggaa	atcacttttg	gatagattaa	1380
ctgttccagt	agtttatcct	gatggaaccg	aacaatatct	tgggagtccc	aagtgacatg	1440
gcttctactg	gcagaaaaca	tcagagacag	gatgaaacta	gttaatctca	aaaggcagca	1500
gctgagacat	tctgaaatgg	tgaccacaga	gagctaatag	ctaccagcta	cctacagatt	1560

094837225 "0.1.1.00

tgcagttcat	aatcccgcat	gttgtcaaca	tactacagca	ttagccacca	caccttaaga	1620
tgcatttcac	agccaaaata	agtctcattt	cttttcatga	cacatttctc	tttacatggt	1680
aacaccttgc	tactaccaag	gcataattac	ttaacatgct	tcgaggctgt	agattccaag	1740
tatcttaaaa	gaaggaaacta	taaacattgc	actgaaaact	tgctttaaaag	ctttacctga	1800
cctgtcagtt	tgtagacaaa	caactgataa	taagctttga	atggtgctaa	taagagtagg	1860
aattctctct	attaaaaaga	aaaaaaaaaag	ttgcccttcc	tccacagggtg	atttattaaa	1920
tttagacagt	agttaaactc	ttgttagtag	acaggggtgt	cctcaaaatt	ttactttgta	1980
attcttcaaa	attgattatt	tttattgtgt	caatacagag	aaagcctttc	agatctttga	2040
tatatcatag	tcattaaaag	accttttccct	atttgtattg	ataatgtatt	aaaagttggt	2100
tgtgcttaat	aaaagacttc	tttaaaccatc	ttaaaaaaaaa	aa		2142

<210> 5377
 <211> 922
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (925)...(207)
 <223> similar to gi3868802 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5377		
tttttttttt	tttgacttgc aacaggaaga actttttattg aaacaccacc atagagaaaa 60	
agccaaagaa	atggtactat tctaaaaata acttgtctta attcattgga agaaaagcag 120	
aaaaataagg	ggacccttat ttaggaaact agcttcattt tgggtatttta atttgggggc 180	
cattctgtct	cagaggctgg agttcaggaa gacaccctct gttcattctt gttgttgact 240	
ttggtggatt	tctcttccac agtgtgaact ctggatgaga gaactttgcc acgaggatct 300	
atctcttcaa	caactgtttt gacaatggtg gtttttagatg aatcttttgt ttgatttcct 360	
gggcctccat	agccttttga tttagaacag gagccatctt ctccatctat caggaggcag 420	
taggtctcaa	tttctttttc caggtggacc ttgatgtcaa ggagctgctc atactcgagc 480	
ttctggccct	cgggtctcggg tctgacctgg tgcagctgct cctccagggc cccgatctga 540	
gcctggatct	gtgccagctg tgcacagtag ttactctcgg tctctgtcaa ggagcactcc 600	
agggagtgtt	tcgttgctaa gagggactga agttcaatct caagggtttg aagagtgcgt 660	
ttcatctcgg	taagctcatt ccgggctgag gtggtggcgc cagcgctcgtc agagatctgc 720	
tgtgcagcg	aggcgctctt ttcgttgaac caggcctccg cgtccctgcg gttctgctct 780	
gcgagggctt	cgtactcagc tcgcatattg ttcagcagaa ccgtgagggtc taccgccggg 840	
gccgcgttca	tctccacggt caggttgccct ccagccgcgc actgaagagc tttcatttcc 900	
tctcatgat	tcttcttgag ga	922

<210> 5378
 <211> 2897
 <212> DNA
 <213> Homo sapiens

 <220>

<221> misc_feature
 <222> (14)...(1969)
 <223> similar to gi5081610 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5378

cccacgcgta	cggccagggtg	ggagtgaaga	ttgtgatgtg	ttggaggcca	cccagcccct	60
ggaacagggg	ttcctgcagc	agctggagga	gggccccagc	agttctggac	agcatcagcc	120
acagcaggag	gaggaggaat	caaagccaga	accagagagg	tctggcctca	gttggagcaa	180
ccgggagaag	gcaaagcagg	cattcaagga	actgctgagg	gacaaggctg	tcccctccaa	240
tgcctcatgg	gaacaggcca	tgaagatggg	ggtcaccgac	ccccgttaca	gtgccttgcc	300
taaactgagt	gagaaaaagc	aggcattcaa	tgccctacaag	gcgcagcggg	agaaggagga	360
gaaggaggag	gccccgctaa	gggccaaaaga	ggccaagcag	accctgcagc	atttcctgga	420
gcagcatgaa	cgcagacact	ccaccacccg	ctaccggcgg	gcagaacaga	cctttgggga	480
gctggagggtc	tgggctgtgg	tccctgagag	ggatcgaaaa	gaggtttatg	atgatgtcct	540
cttcttcctg	gccaagaagg	agaagggaaca	ggccaagcag	ctccggcgcc	gcaatatcca	600
ggccctaaag	agcatcctgg	atgggatgag	tagtgtcaac	ttccaaacca	cgtggtccca	660
ggcccagcag	tacctcatgg	ataaccccag	ctttgctcag	gaccatcagc	tgcagaacat	720
ggacaaggaa	gatgcactga	tctgttttga	ggagcacatc	cgagctttgg	agagggaaga	780
ggaggaggaa	cgggagcggg	cccggcttcg	ggagcgacgc	caacaacgca	agaatcggga	840
ggccttccag	accttcctgg	acgagctgca	tgagacaggg	cagctgcact	ctatgtccac	900
ctggatggag	ctatatccag	cagtcagcac	tgatgtccgc	tttgccaaca	tgctgggcca	960
gccgggctcc	acccctctgg	acttattcaa	gttctatgtg	gaggagttga	aggcacgatt	1020
ccatgatgaa	aagaagatca	ttaaggacat	ccttaaggac	cggggcttct	gcgtggaggt	1080
gaacacggcc	tttgaggact	tcgcccacgt	cataagcttt	gacaagaggg	ctgccgcact	1140
ggacgcaggc	aacatcaagc	tgaccttcaa	tagtctgctg	gagaaagcag	aggcacggga	1200
gaggggagcgg	gagaaggagg	aggcacgcag	gatgcggcgc	aggggaagctg	cctttcgaag	1260
catgctgagg	caggctgtgc	ctgctctgga	gctaggcact	gcctgggaag	aggtccgtga	1320
gcgttttgtg	tgtgactcag	cctttgagca	gatcaccctg	gagtcggagc	ggatccggct	1380
cttccgggag	ttcctacagg	tgctggagac	tgaatgccag	cacctccaca	ccaaaggccg	1440
aaagcatggc	aggaaaggca	agaagcacca	tcacaagcgt	tcccactcac	cctcaggctc	1500
tgagtcagaa	gaagaggagc	tgccccacc	atctctccgg	ccccccaagc	ggaggaggcg	1560
gaacccctca	gagtcaggct	ctgagccctc	ttcctcactt	gattcagttg	aaagtggggg	1620
tgctgccctt	ggaggacggg	gctccccttc	ctcccatctt	cttggagcag	atcatggcct	1680
tcggaaagcc	aagaaaccaa	aaaagaaaac	taagaagaga	agacacaagt	cgaatagtcc	1740
tgagagtgag	acagaccctg	aggagaaagc	tggcaaggag	agcgatgaga	aagaacaaga	1800
acaggacaag	gacagggagc	tccaacaggc	agagctccct	aaccgttccc	caggctttgg	1860
aatcaagaag	gagaagacag	gctgggacac	gtcagaaagt	gagctgagtg	agggtgagct	1920
ggagaggcgg	cggcggacac	tcctacagca	gctggatgat	caccagtgac	ccaatgagct	1980
gttctctgcc	tcgggtctgt	gtgaggccat	ggctcctggg	gccaccctcc	accggtctgc	2040
ctcagacttt	ttccttagtc	tggtctgtgt	ccactttttc	taaagtaacc	ccccaacccc	2100
cagcacacca	ttgttggcac	ctctcaagg	tgctcttggg	gttcaagggt	cccctactcc	2160
ctggactagt	gcagtccttg	ccctcagccc	cagaccagag	atgggtggta	tatgccatgt	2220
ggggtgggtg	atgccagtag	ataaaagtgt	gagagaaggg	gtctccaggg	aagagtcaca	2280
ggctgttggg	cacagcctgg	gtggcagagg	gcagggtcat	caccctctag	catcagtgcc	2340
tgctcctgcc	tgccctggcc	ctgaggctcc	accacttctt	cctccaccca	ggacccaatg	2400
tacgtgtgtt	ttgttttttg	ttttttaaat	aacaatat	ataacatggc	cagtgactct	2460
tttccatgtg	ctactggggc	aggctgggga	ctggacacat	gcccgacaga	gggcactagt	2520
gtctcatggc	aggcctgctt	ccctttgtgt	ggctagagcc	cacctagccg	gttctccttt	2580
ccccagagtt	ctgatctcat	ctcctccaaa	acagatgcag	tgccccaaag	atttcttttc	2640
tatccccata	gcccaggtca	gactaaatgg	ccaccctagc	cccctaagct	cagaaagagg	2700
agacaaagtc	aggcctggtg	catcaagcct	ttgttgagag	ggggagagtc	tgaggtttat	2760
gtacagtaag	aggaaaggga	ggtggtacat	gtacaaaaaa	gtgggcccc	acattccctt	2820
ccagggggcag	aggagaaacg	ggaaggtaag	caaatagcca	agaccacat	gctccttgtc	2880

<210> 5379
 <211> 2214
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(1084)
 <223> similar to gi4731361 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5379
 atgcaggcgg tccgcgccac tgcctctcag tccctgtcct gcgcccgcgc gccccgggag 60
 cctacccagc acgcgtccg cgcgccactgg tccctccag ccgcgcgcgt ccagccgagt 120
 cccactccg gagtcgcgc tgcgcggggg acatgggtcct ctgcgttcag gggtagcac 180
 ccccttgtaa gctcagggt actgttgggt gtcagggaac aaagttttag actgctgcgc 240
 tccaaagcgg gcacacacat gtacctagaa cacaccagcc actgtcccca ccatgatgat 300
 gacacagcca tggacacacc cctgcccaga cctcgccctt tgctggctgt ggagcggact 360
 gggcagcggc cctgttggg cccgtccctg gaactgcca agccagacat gcagcccttg 420
 cctgctgggg ccttccctga ggaggtggca gagggtagcc cagcccagac agagagttag 480
 ccaaaggtgc tggacccaga ggaggtctg ctgtgcatag ccaagacctt ctctacctt 540
 cggaatctg gctggtattg gggttccatt acggccagcg agggccgaca acacctgcag 600
 aagatgccag aaggcacgtt cttagtacgt gacagcagc accccagcta cctgttcacg 660
 ctgtcagtga aaaccactcg tggccccacc aatgtacgca ttgagtatgc tgactccagc 720
 ttccgtctgg actccaactg cttgtccagg ccacgcattc tggcctttcc ggatgtggtc 780
 agccttgtgc agcactatgt ggccctcctg actgctgata cccgaagcga cagccccgat 840
 cctgctccca ccccgccct gcctatgcct aaggaggatg cgcctagtga cccagcactg 900
 cctgctcctc caccagccac tgctgtacac ctaaaactgg tgcagccctt tgtacgcaga 960
 agcagtgcc gcagcctgca acacctgtgc cgccttgtca tcaaccgtct ggtggccgac 1020
 gtggactgcc tgccactgcc ccggcgcagt gccgactacc tccgacagta ccccttccag 1080
 ctctgactgt acggggcaat ctgccacccc taccacagtc gcaccctgga ggggacatca 1140
 gcccagctg gacttggggc cccactgtcc ctccctccagg catcctggtg cctgcatacc 1200
 tctggcagct ggcccaggaa gagccagcaa gagcaaggca tgggagaggg gaggtgtcac 1260
 acaacttgga ggtaaatgcc cccaggccgc atgtggcttc attatactga gccatgtgtc 1320
 agaggatggg gagacaggca ggacctgtgc tcacctgtgg gctgggcccc gacctccact 1380
 cgcttgccct ccctggccac ctgaactgta tgggcaactc cagccctggt ttttcaatcc 1440
 ccagggtcgg gtaggacccc tactggcagc cagcctctgt ttctgggagg atgacatgca 1500
 gaggaactga gatcgacagt gactagtga ccttgttga ggggtaagcc aggctagggg 1560
 actgcacaat tatacactat ttatttattt attctccttg gggttggtgt caggggagag 1620
 ccaacccac ctctatgcc tgagccctgg tagtccagag accccaactc tgccctggct 1680
 tctctggttc tccctgtgg aaagcccatc ctgagacatc ttgctggaac caaggcaatc 1740
 ctggatgtcc tggtagtgac ccaccgtct gtgaatgtgt ccactctctt ctgccccag 1800
 ccataatttg ggaggatgga caactacaat aggtaagaaa atgcagccgg agcctcagtc 1860
 cccagcagag cctgtgtctc accccctcac aggcagagc tgtatctgca tagagctggt 1920
 ctactgtgg ccgcaggccc cggggggagt gcctgtgctg tcaggaagag ggggtgctgg 1980
 tttgagggcc gccactgcag ttctgctagg tctgcttcc gccaggaag gtgcctgcac 2040
 atgagaggag agaaatacac gtctgataag acttcatgaa ataataatta tagcaaagaa 2100
 cagtttggtg gtcttttctc ttccactgat ttttctgtaa tgacattata cctttattac 2160

ctcttttattt tattacctct ataataaaaat gatacctttc atgtaaaaaa aaaa

2214

<210> 5380

<211> 1512

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1515)...(918)

<223> similar to gil228052 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5380

ttttatatttg gtagttgttt ttatggatgt gaaaaatatt accactgcaa ctagcaagaa 60
ctataaatga tacattattg caagtgttct aaaaaatcag gaacaaaact aatttattat 120
agttctgtct tcattataca ccacgtgttg gtgagttaaa cacaacaaaa ttgtcttttc 180
ttttaaaagt gtctactaaa gataaaaaga ataagataac aattaacatg tagtttggtta 240
cattaaaaaa tctgatatac atatttctat tgcctgttag cttgttctaa gcctctttta 300
ctattacaac aaaaaaaaaa aaggaaaaga aaagaaaatt cattgtttta aggcaaacat 360
tcaattcagt tgatacaaca ttacagtaca gtcaactaac atcattcaac gaaggttaaca 420
agtctagcct tagcttcttg agttaaaagt ctatagacca gattgctaca aaagtttcaa 480
tgctgcttca aaaccgtatg ttagcttttt ggaggacaaa gtactttcta cggatggcctt 540
cagaaggggt catgctactg gtaaaagcac aggggaaccc catcctgtca ttaatcattt 600
tattgagcac tgtagttaga acagcattat tgagttagc acaacaacta aaataaaaata 660
ataatataat aacaatcata ataatgataa gaataaaaac caaacacaga ctggaagcct 720
agagtcgctg gcagccgtgt caaaccttg cgatacgcta tactaaaaaa atttgaaata 780
tccacccgtc ctctccactc tgccacaaac tagcaaagtc aaaaatacaa aagtcttcaa 840
cttggttcaact tttgcagaat aaagcaaaaa cgtctttgtg ctcttacta ccagaagcaa 900
aatatcctct gagttaccac atgtaatagc ttctggatgt gtcgacctgg gttggccttg 960
tgtctgcaga accatctttg tctttctcgc tgtcaccttc ccagagggtta atgagtgggt 1020
ggtacagctc atttagtggg attgaagagg ttttttgcac atactttttt aatgagtgggt 1080
ggtagttttt tctcttaaat cttttggcaa agtacacagc aatggacgca aggctaata 1140
cggcaaacat agaccccat actgcagcaa gggctgtact ggtttcttga tcagagatgt 1200
ccactgcgaa ggcggcattt ttggttgtga catttacgca tgacttttga gtctgtgat 1260
gaatattgga cactgtgaga cacacttcat aatctgtgga aggctgcaga tgcgttaggt 1320
tgtattcatg gacatcgact gggaccctgg cagtatatgt tatgtgaggg ttatcaatct 1380
tcatggtggc agacgacat ttttaagtttg acgtcatgac attggaatta actttccagg 1440
acactaagat ggaatgggat tctgtctgct tgacgtatat ttttagcacc tgggtaccat 1500
ccagaagggt cc 1512

<210> 5381

<211> 2197

<212> DNA

<213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2195)...(580)
 <223> similar to gi2924552 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5381

tttttttttt	tttaatgaaa	atatgtgaca	cttttattta	caagcttttt	tgcataaact	60
atacttaaca	tgactaaaca	acaaaaagtt	cttgacttcc	atcctttatg	ggtagaaaaa	120
taaattat	taatagttat	ttaaacatgc	ctcctgcttc	cagagaaatt	aatgtgttaa	180
atatatatat	ttttcaaat	atccctaaca	tttacacaaa	cttgagtaga	tactgctcta	240
tttttacaca	gaattgtaaa	cagcctttta	aaaagctaga	gtaactttcc	actagttaga	300
actgaacatt	gtaaaatata	aaaattttat	aaaccctata	atgcaggtaa	tttaattatg	360
actgatctgt	aggaatatac	aataaaaaatt	tgtcagtcac	ccacaattaa	gtacaattat	420
ttatggagaa	aaattttact	atgtccagaa	aaagatttta	ttcatgttct	tgaaagatag	480
ctttgttccc	aataaatatt	ccctcctact	atttttgtac	attttaggaa	aagatgtatt	540
cagttcaaaa	ataagtaaca	tccagttatt	tgactttttg	cttttttctt	gcttgaaaact	600
gctctgtttt	ggtttttata	gatttaataca	acattgacaa	agcaggatca	atggacttcc	660
tttgtgattc	cttttcaatc	tcactctctt	ttttctttat	tgcttgagta	agttcttggt	720
cttttcgttc	tctttgccgg	gccttctcct	caaggatttt	ttccatagct	ttgttttctt	780
tgaaattggg	atctgagggg	tccaaattga	acaagtggga	agtgtacatt	gcctgaaacc	840
gtgcatcggt	aacattttacc	tcaaagtcac	cctctattaa	ttccttcttt	ttcatgagct	900
gctttttctt	ctttttgtct	agattctggt	gctccacaat	cttggttgtaa	ttgaagtgtt	960
tcttactgtc	ctcgtcctca	tccatcataa	gcaaagccat	ttcagccttt	tgtctttcta	1020
tttcaatttc	ttcttctgga	gatgtgccat	cttttgcaga	ttttaccgat	tttttattta	1080
tacctatttg	tttaacttct	tcagcaaagt	atgggtcatt	caaatcaaca	tcagagggaa	1140
gttccctctc	actggcctct	tcagcaaagag	ccttctgttt	ccttttcagt	cttttttctt	1200
ctttcttctt	ctctaaaaat	tgttcccaag	gggtcagttt	atcctttcct	tccattttgt	1260
ttttgaccat	ctcttctgca	ctttctttaa	gacctggaac	ccatttaatt	tccatttcca	1320
tatcattttc	tttgcccttt	tttttttttt	cttgaataac	ctgcaagagc	tgctgttatt	1380
tagcaatttg	ttcttcatca	tccttctgac	ttttctttgt	tttcccatct	tcttctacat	1440
tgactccatc	atcaccttgt	agctcctctt	ctgtctcctc	ttcatcttca	ctagagggaag	1500
ctaagtaggc	ttgaaaatcc	atgtccaaaa	gctcttccct	tttaaacttc	ctggttgagca	1560
ttgtaattct	ttcatgatca	gtctcatccc	aagtgtattc	caccgttgat	gttcccattg	1620
cagcagaagt	gaaatatatt	ggtttatatg	ctgtttaaatt	cacttctgag	gctacatcct	1680
taggctcatc	atcaaaagta	atatcatctg	gtataaacct	tagatctatg	aaagaacaac	1740
tactttcaaa	ttccaggcca	tcacaatcct	cataaatttt	actagctgtt	tccggagaat	1800
cacagtctac	tactgcataa	tagtacttca	gtcgtttgaa	ttgataatct	ctcaattttt	1860
ctctagacgt	ccagtctttt	tctggggcat	cttcaggaat	acttaatagc	tctactggtc	1920
cttgaacttg	ctcttccttc	atcctctcct	ttccaaattc	tgaaggatat	atcttgacgg	1980
aaaatattac	acctcctttg	ggttttaaatt	aattgaacag	agccagcaaa	tcttttgcct	2040
ttaatctatc	ccagtccatg	ttacaaactg	ctaactcgacg	tgtaatctca	tcagcacgag	2100
gagcatcttt	atctaattct	ctccaagcat	gctcaaaacc	agattcttct	ggaaacaaat	2160
ctgccgtatc	atcttcatct	tcagaactag	tttctat			2197

<210> 5382
 <211> 1520
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(648)
 <223> similar to gi4589624 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5382

tttttcagta	gggattctgg	ccaagactcc	agcaagcata	ttgagctgat	aaaagggtag	60
cagaacaagt	accccaaagc	agaaatgacc	ctgatcccaa	tgaagggaga	gttttccaga	120
ggctcttggtc	ttgaaatggc	ttctgcccag	tttgacaatg	acacttttgc	gctattttgt	180
gatgttgact	tgatcttcag	agaagatttt	ctccaacgat	gtagagacaa	tacaattcag	240
ggacaacagg	tgtactatcc	catcatcttt	agccagtatg	acccaaagg	aacaaacggg	300
ggaaatcctc	ccactgatga	ttacttcata	ttctcaaaaa	agactggatt	ttggagagac	360
tatggatatg	gcatcacctg	tatttacaaa	agtgatcttc	taggtgcagg	tggatttgat	420
acctcaatac	aaggctgggg	actagaagat	gtagatctct	acaataaagt	cattctatct	480
ggcttaaggc	cattcagaag	ccaagaagta	ggagtgggtc	atatittcca	tccagttcat	540
tgtgatccta	acttggaacc	taagcagtat	aagatgtgct	taggatccaa	ggcaagtact	600
ttcgctcaa	ccatgcaact	ggctgaactc	tggcttgaaa	aacatttagg	tgtcaggtac	660
aatcgaactc	tctcctgaca	gtccaggcaa	cacattttgc	cttttttaag	gggagtttac	720
ctcattgttg	gttggtgtta	tttttattgt	attattgtta	ttttattatt	attattgtta	780
taattttatt	ttgttgcct	ggtcttaaac	tactcttggt	tgtcttccta	aggggtgttg	840
ttgacctcaa	gcaagaagag	tctgcagttc	actgatgttt	cagattttcta	ctgaagtcaa	900
tatgttatta	cttttatata	actttatttg	agattgagtt	aaatcatagc	aatcaaatga	960
cttttgaaac	gcattcatca	caagagacag	cttagaagaa	tgttctcttg	gggcttaaaag	1020
atgcaatatc	gacttttatt	tggtttctca	aattcaatgt	gatacaaata	tttactggtg	1080
aaaggtacca	caaaagtgtc	ttatgcttcc	tatggggaag	ggactctgta	acataaactt	1140
gagttttgta	atttatacaa	ggacttaaat	atataaacia	taattttctt	catctttaga	1200
atttttaaaag	taaatgaata	cctatgattg	tatgtttatt	ttttaaaaaa	agttttaaaa	1260
attgaggagt	tttgttccac	aagcaaccgg	tactggctac	cctgggtcta	tgacaattat	1320
gagctcctca	caactgtctg	ctataaatgc	gaatgaactt	tattttctca	aggaaatatg	1380
atttaattaa	atattcatgt	acattttaga	agctttatga	aacaatgtcc	ttcatttgct	1440
ggcaagaaga	taaaatatga	cagaacctgt	ttatttaaaa	taaaacacag	gtatagcagt	1500
attctttttc	aaaaacactg					1520

<210> 5383
 <211> 2850
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (2767)...(1222)
 <223> similar to gil825589 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5383

ttttttttta	gaccgcagc	ttttattagc	catcggtaca	gtctctcgtc	cacaaacact	60
------------	-----------	------------	------------	------------	------------	----

gccagctcc	cttcccaggg	cactttactg	gaggcaagt	caaaacactg	tggtgctttc	120
tattcaaaga	aacagaagat	gtagctgtgg	tggtaatgga	cagcccagct	acccaccagt	180
tttacagcag	gatccgcagt	gagcttgata	cagatagagg	atagatgacg	gtaaaggggg	240
aaaagagttt	aaaattatcc	aagtttccct	cttgaaaggt	cttttcccca	aagcactgtg	300
aagaggactg	ctgcttaggc	aattttctag	ggacttaaac	acaccgatgg	gaatataaat	360
atttcaaaca	caaccctgt	tacattctta	cagctagttt	catcacttag	gtctcttctt	420
agcttaaagt	atgctccttg	aatctgtttg	gtccttggag	gggcaatcca	tttttgtttt	480
ctgtaatatt	gacaatcacc	ttctttaatg	cagctataac	atcaaagctc	tgtaggttta	540
cttaaccctt	cactcttaaa	ctaaaagt	tcattatcat	ctcacgtgaa	tccaatgtgc	600
aggttttgct	tgcttattta	agaataaaac	aaaacaaaca	taaagggttg	aaaaacaaaa	660
actctgcttt	ttttttcttc	aagaggaaac	tatgtaagaa	tacataaaag	gcaaagttag	720
ctacttgaaa	tccaagaatg	gttttaaatg	gttgcccgag	aaaaataaac	tgtaaagttc	780
tgtgaggtct	tctaataaatt	tacaagaaaa	actgatgggc	agttctaatac	agacttggat	840
gttatctttt	ccccctttt	taaaaatgac	aacagataca	gttccacaaa	atacataaga	900
aactgttttt	ttatcttgac	tgccagagac	gtccttttgc	aatgccttcc	ggtaacccaa	960
tttttgggca	caacacacag	ctggccttca	tttcttcagg	ggctggtaaa	cagaggcatt	1020
ggggtcaagt	ccagaggggc	tggtctccac	aaatttgagg	agtagtagtg	ggggggaaaa	1080
caggggctca	gggggctggg	tggcgggcac	tgtatgttat	ggctgggcat	gacggcccat	1140
gacttcggct	atcttctgtt	ttaggtcctt	gatttcctga	tctttctgaa	ggatttgtcc	1200
ttgggcaatc	tcgagctgcc	gctttgcatac	gcccagtgcg	gagaacagg	ccagcttgat	1260
tctcgctctc	gcacttaagc	tggtctccag	gtgctgtgtt	ttgtcttgca	tggtgagag	1320
ggctgacatt	aacacctcag	tgctcttctc	attttcctta	tatttccgaa	gctcctggac	1380
tttttagttct	agttctctga	tttgggtctt	tttcaccttc	atgtccatcg	tgagcttctt	1440
gccctctgct	tctagttctc	tgatccgatt	ccgtaagggt	tcgggtgcatt	ctcccctaga	1500
tgacagcagca	aacgcaacag	cccgggcagc	agtggcttct	tctaacttct	tcctcttttt	1560
ctcttccatt	aactgtttct	ctacaaaact	tcgggcttcc	tgctcagctt	ttagcttttt	1620
ctccaactgg	ctgatattct	gcttgtcttt	ttgcttcatt	tgacacagcat	tatgtaactt	1680
gttctgcagc	agctcgttct	cctgccgaag	ctggcccat	tctgagcgga	tccctcgctc	1740
gggtgctcgaa	agggagctga	tctgactgcg	gagctcttgt	tccacttgtc	tgctggcttg	1800
caggtcagcc	tttaactttt	taatgtcttg	ttccagcctg	accagtgcgt	ctggtttgct	1860
tagctggtta	ttaggaatac	agttttccat	taagtctttg	tgtgtacttg	ggctcttgct	1920
agtgcatttc	tgcttcttct	catttttact	agatgaggaa	ggaatgctcc	catttgtggc	1980
gctatgactt	cgaggtgaag	agttcacaa	tccactggca	tttttgtaat	tttttgagga	2040
agcagtgcac	gagtcctctt	tcaagagatt	ttctgtactt	cccacaagat	cattatttaa	2100
tcttttacta	ttgatattgt	tttccatata	ctcaatctct	tgtatttttag	agtctacagg	2160
ttgtagaata	ttgttggtat	ttattccaag	gttgtgtttt	ttggcatcct	tgctcttttc	2220
tttccctttt	tctcggtatt	ctatctctgg	caaagttgtg	gagagttttt	tggtggctgg	2280
gatacctcca	ttgtggtgta	taaggatcga	agaatccata	tcaggtaatc	ctttggctgc	2340
ttcctcggcc	tctttttctt	gcttctgtag	catctgttgc	tctggaggga	gagcttggtg	2400
aagaagttgc	atgtaaaact	cgttctcttt	ttgtacttct	ttttgcttcc	ttaaccgcat	2460
tttgtagctt	acgtaacttt	tgaagccaaa	cccaaagtt	accacagggt	acccaataca	2520
gtgagcagca	aatggacgac	aaagggtctac	atgaaagttt	ttgagatctt	taaatctaata	2580
ggctgcttca	atataaacia	aaaggatcca	gagagacact	gtaggcaaac	acactcccct	2640
ttctgtgtgc	catacgtact	gaaccatac	atatgtgcta	gcagcaaaaa	aaagccactg	2700
tatggggatg	aacagcaggc	atattatatt	tgacgtgaat	gctacacaaa	caaaaaatac	2760
tgagaaggcc	taaaggga	aataaaacia	aataaaagat	tcattcttaga	acccacgcg	2820
tcgcggagc	cgtgggtcga	accgggaagt				2850

<210> 5384
 <211> 663
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(433)
 <223> similar to gi468032 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5384
 ggggctgtca aggccgtagc atggtgtccc tggaagtcca atgtcccggc aacaggaggg 60
 ggcaccagtg atcgacacat tggcatctgg aacgtgtgct ctggggcctg tctgagtgcc 120
 gtggatgccc ttcccaggt gtgctccacc ctctggtctc ccactacaa ggagctcatc 180
 tcaggccatg gctttgcaca gaaccagctg gttatttga agtaccacaa catggccaag 240
 gtggctgaac tcaaagggtca cacatcccgg gtccctgactc tgaccatgag ccagatggg 300
 gccacagtgg catctgcagc agcagatgag accccgaggc tatggcactg ttttgagtgt 360
 gaccctgtgt ggcggcggga gcgggagaag gccagtgcag ccaaaagcag cttcatccac 420
 caaggcatcc gctgaagacc aaccctcgc ctcatgtgtt ttttattttt ctaataaagt 480
 catgtctccc ttcaaaaaaa aaaaaacaaa actggggggg aattaccaa ttggattcaa 540
 tcctggttta aaaaataggg ggcctttttc ctttaaaaaa aaaaaaagg gggggccctt 600
 taaagggtac aaattttaaa acccgggggg gcggaggtta agttttttaa aggggcccga 660
 aaa 663

<210> 5385
 <211> 692
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (542)...(462)
 <223> similar to gi3152662 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5385
 tctcccctaa tacaactatg ttttaaatgc actgatgtca tgcaaattgg ctgtgcgcct 60
 gctgattaca attaaagtga ttttaacaaa aagagactca aaaggtctca cccaaccttt 120
 gaacacatgg gaagtttaat ccctcctcct cccttttttt ttttaataa ttaagggaat 180
 gactagcttg tcattcctac cagaacaact ggtacctgta ctcatctctc taccatattg 240
 tttctcttta gcatagctac agacctcctc agggcatgct atcccatttt ctgaaagtca 300
 aataagacaa aatcaaacat ccaagtgaga gacacattag acagttctca tccccagag 360
 catctccatg gcacagatgc atgaaaaaaa tgggaacaga ttcttcattt gcatagaagc 420
 taaatagcta tattaatct tattttaaga gtttctcttt acctttgctt cgtaaccatt 480
 aacaacttct gctttatctg tcctccagcc ccagaatccg gatttagttc tgataaaaag 540
 tgaacaccac aaatttctac atgtacaata tgccattcag atttatatct gtagccttta 600
 tagttttttt cccccccagc ttaagttagt gaaggacact tggaaatcat ggtcctattg 660
 tccacaggag gcggttagca atgacagatg gc 692

<210> 5386
 <211> 4703
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (4704)...(1924)
 <223> similar to gi4529843 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5386

tttttttttt	ttgtacaaaa	cctggaaata	tttttacttt	tttaaaactt	tgatctaagt	60
tgcccttagac	ctcatggact	cgatacaaga	gtaaatatga	attgggaaat	aaaaccactt	120
taatagccac	gataaacttt	gttagaaatg	tacatgttgc	caaaataata	ataataaaat	180
taaaaaaaag	agagagagag	aacagcttga	tgtccagggt	agattatata	aatgttcaac	240
aagggcaggg	taaaggaaac	tttaaaaaca	ccagttctga	ataagcctgg	ggccccgtga	300
gactccccct	ctcccaccca	gtctcggggc	ctagggactg	cgtccctcca	aacaggacaa	360
gtgggagtgg	ataaggcctc	caccaagctg	cctctcccag	tggacaaaaa	catccaggta	420
atgggtatat	aaacaaaagt	cataagaaat	gtacaaatat	aaaaagctac	aaacattaat	480
aaattacagc	atcacaaaac	acggaaacac	ttcacaaggt	gctagtaaaa	taactgtatc	540
ccccaatccc	ctcatcatat	aaggaaaaca	aagagctggg	attaaagttg	aagattcatc	600
ttcaaaatgt	gtctgaaata	gatcttttgt	gtactatttg	cttctgtaaa	gacagagtgt	660
aaggctgcac	agacatcact	tgtttttcag	gcaatacctt	agttcttaaa	agaaaaaaat	720
aataataata	aaaggaaaag	agaaggaaaa	agcatcagaa	cccaactgtc	catctgactc	780
agcaaaaaac	tcgtataaat	gttaatgaag	aactctatag	aaagaaattc	ctaaagatac	840
ttttactctt	ataaaaaaga	agttatttta	aaagctattt	acacgctaca	ttctatgaaa	900
aatatgcttc	aggaaataca	tctaaaatta	aaatacagga	ttgcctgaga	aacaaatcca	960
gccccctcgt	gtcgtatggt	gacacacccat	ccaggtagca	cccatgcagg	cgacaccaca	1020
cgctgacacg	ggagaacaga	gaagtgccga	ccgtaagtcc	tcggggccgcc	tggccactgt	1080
ccctgccccct	gccccctgcc	tgccagtccc	agggcagggg	tgccctgggt	gagaagtgtc	1140
tctccagagt	gtggccagca	gggcaagacg	gtccctgccca	catggcttag	cctgggcctc	1200
ccagacccca	agatgtggct	gagcccttgc	cctttcctgg	ggaccccaca	atggctcccc	1260
tgcccgttaa	cacaccaacc	cagctgccag	tcttagctgc	ccccagaaa	tgctcctggg	1320
cattcaggct	gaacacccac	catcctgctg	ccacctgcca	accagaaagc	tcggggcgaga	1380
cccttctctca	ccgcgcgagc	actgtctgga	cttggtgtag	aatcactcag	gaagagaagg	1440
ggggacataa	acatcccact	tgctcctcct	ctttctgtgt	tctttgcctt	tttttttaag	1500
cccctggagg	ctgccagcct	gtggccagct	ctgactctgg	ggctggtgag	cattgggtca	1560
ctctgtcttc	cttgaaggac	tcatgtcttc	agcagagctg	cagaggccct	gcaatcacac	1620
ccacgctcag	ggggcctgaa	ggctgtcctt	aaagtggaat	aagcggtcct	caaacttgca	1680
gggcccgttt	tctgggacag	atcactctta	gcaacttgag	aaaagacgtc	cattttcaaa	1740
ttgagggggc	acgctgggct	cgctctgccg	gctgaaggga	cagacgcttg	ttggggagat	1800
ggcagccggg	aagaggcaag	gccctccctg	gtgaggcagc	tcggcaccct	cctgggaggc	1860
agatgttttc	gcggggctcc	gggggtcctg	agcggagcag	aaggatcctg	gctttccaaa	1920
tcttaaagga	gtagtttccc	gttccgatga	attttcaaaa	ttttcccaag	cctctgcttg	1980
gcggtcgcca	tgcccttttt	cgtaagtttt	cctttggcag	cggtgttggt	gtttggagac	2040
gatgcggagg	gccgcctctg	tgtgagaaag	accccagggg	ccatgggctg	ggagggtcgg	2100
ccagcctggg	ccccggtgaa	ggtgccagcg	gctgtgtact	catggtccgc	caggctgctg	2160
ctatgcgact	caggcggggg	ctctggcgag	ctgcctcct	gcgaggcctg	gctgctggcc	2220
gtgctggtgg	aggccggggg	ggtggaggcc	ggtgtggtgg	aggcaggggt	ggtagaggct	2280
ggcgtggtgg	aggtggaggt	ggtacccgtg	gaggcggagg	cagaggtgga	gatggagggg	2340
gaggcagtgt	taggagccgg	cttccttttg	gtgttcttct	tcttctgtt	tttctgctcc	2400

tcttgctggg	acagcttggc	tgcagcagct	gccagccccc	tctcaatgga	ggccactctg	2460
gtcccctcac	gcacaggcct	gtcttgtctt	ggcaccgatg	gaccgaccct	ggctgtgggg	2520
ctgtacggag	catcgtctga	gcctttcctc	ttctttgacc	gggacttgaa	gacgggggta	2580
tcttcgtcag	actccagtga	ggggtaaaca	tagtctgagt	ccttgaagca	ggcatccagg	2640
tgatcctgct	cttcctcgta	gtcgtccagg	tcgacactgt	tcttggcagc	cctcttcagc	2700
agtcgtttgc	ctgcactctt	gccactgcca	ccccattct	tccgggcacc	atgggcagcc	2760
agcgagctcc	ccttggcctg	gccagctccc	cacgtggctc	gcaggcagga	gtcggaggcc	2820
tgacggttg	ccatggacag	cattccctga	atggcttcct	gtgtgctggg	ggaggccggg	2880
ggctggctgc	tggggttgta	ctccagcgcg	ccaacctcct	cactggcctg	cagcagggtcc	2940
aagatgccag	ctgccgagct	cccactctcc	ttcttgactc	tggcattgcg	gccgggcttg	3000
gtgtctgtgt	cgatgtgcag	cgaacctcgc	tccgaggagt	catcactctg	cttgtaacct	3060
gccgagtcca	gctttggcct	cgtgacaggc	gtgggcagca	cagccttctt	atccaacaag	3120
aaggacaagt	cccttttcgg	ggcgtttttc	ttctcctga	tgggaaactc	gtcgatcttg	3180
agctcaccgt	catccgacac	gtactcatac	tcatcccgca	cgggcttggg	cttgctcctc	3240
ttgaagtctt	gcaaggcccc	gaacacacca	gggtcgtcgc	ggggcctgag	agccttgagg	3300
ccgaggagtt	tcttggttga	gaaagaaaaa	gagaacttat	tgtctttggt	tccagctaga	3360
ggcgacttct	ctagcttctg	ctcctcttcc	atcttcagta	aggagtcagg	tttgctgttc	3420
ttgtacttcc	acttggcctc	tgacttgctc	ttggtttgct	ctcgaatttc	cagcctctcc	3480
acatcattct	gcatgtgaac	cacatctttg	ttgggcacac	tcaggacact	ctttgtggcc	3540
ttgcccttct	tgggcggctc	catcttggtc	agtgcctcct	tgggtgtggg	ttcgagcagg	3600
tccagggttg	ggatggtggg	tgaggctgac	tcccgggact	tcttcccttt	cttcttgctt	3660
ccatctttga	gcttcagcgt	tttggggggc	cttgggggct	tagggggctt	cgggggcttg	3720
gggatttttg	atggccttgg	catcttcaca	gttttgggag	tctttttttt	ggacactttc	3780
tccaggaggg	attgaggcgg	ggtggcctca	atgggagacg	ggggctcctc	cttctcccgg	3840
tccccgtcac	acacctcatc	tgacgaggcg	acagtattca	cttccggtcg	gacggctttg	3900
gaggcattct	cactgagccg	gatctctttg	gccagggtct	tgattagctg	tgaaggtttg	3960
aagtgtcccg	ggagctcgtc	ctcatgctct	gccaagaacct	gcttcttcgt	ccacgatcgg	4020
aaagcaccat	tgagaatttt	agctccttgg	actagatgag	ggggcagctg	cttcccagat	4080
ttgtgagagc	ctttgaatgc	ctccagcagg	tgcttcccc	tgtaccagca	cgcagtttca	4140
aagttgggaa	actgagtcag	gctgcccagt	ttcaacctcc	tttccacttc	atatgctctc	4200
atctgcatct	ccacactcag	gctgtggagg	aaatgtcccg	cgaaggccag	gcagtccaca	4260
ggggtgagtg	tggcgtagat	ccagcctgag	gggatgaaga	gggtctggcc	ctgcttgacg	4320
atgcacttgt	agcattttgt	gacctggtca	gcaaagaaca	tctcgctgtg	gttagaggca	4380
gaccgccagc	gctcatacag	ggagatgttg	gccgaggccg	gcctgatgag	atagaaggtc	4440
ttctccccct	tgagcacgtg	gtaccaggca	gaggcgcccc	cagagtcgat	gtggaagtgc	4500
gtgtaactgt	ccttcacgca	gattaggcag	tacttgggtc	ctttgggctt	ggccagcaat	4560
gcatcatctg	gccagtagtt	ttctacccat	gacagtttct	ttacaatgtc	aggtggctcc	4620
acgaagctgg	acattcgggt	gtcagagaa	tcgagggttg	tgacgttgag	gacccgcttg	4680
cggttggtgc	tgtagtaata	gtc				4703

<210> 5387

<211> 803

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(491)

<223> similar to gi2808660 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

[illegible]

<210> 5388

<212> DNA

$\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (3) \dots (629)$

<223> similar to gi5081459 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5388

3939

caccagtttt tttggctcag

1280

<210> 5389

<211> 543

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (544)...(46)

<223> similar to gi2772539 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5389

gctgcaaagt	gaggaggccc	ggggtctcca	ttgtacatgg	gtctatttga	cagtgcacctt	60
actctggaaa	taatgatatt	ccttcagtct	gaggtaattg	atgttgatga	aaccggtggc	120
atcgattggc	tcataattcc	cctgcacgtt	gacgctcacc	agctcctcct	tgtagagaga	180
gagtagagac	tcctggctga	ggatgtgcac	ctggcccttg	aagatgggca	cctgcacttt	240
tccttccatt	tgtctctggg	acttgggtgat	gcaatgggtg	acagatttac	actcaggggt	300
gattttgtgc	acttcccgat	ccatagtga	gtcctcgatg	tctaaatcag	cctgttgaag	360
gatggtgcct	gctgggggtct	tgtagatacc	tctggacttt	attctaata	agcagttctc	420
cataatgtca	atacagccca	tgccgtgctt	gcccgtgact	tcgttcaggt	acacgaagag	480
ctccaaggag	gtctggtgag	gtggtgccat	cttgatggtc	actttcacgg	ggaccccttt	540
ttt						543

<210> 5390

<211> 388

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (14)...(339)

<223> similar to gi5360111 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5390

ctgggagaga	taggaagacg	tggatcaaaa	tgtcatgat	ttggaggcca	aagtggcgag	60
cctgagagga	atggagttac	aggggtgcgc	caccactcag	gttgaattac	aagataaccg	120
agaagaacag	aaacaggtgc	gcttaccaca	aagccgcctg	acaccatggg	aggtgcgggt	180
tattggcaaa	gaaaaagaac	aacgtgaccg	ggtgcgactg	agagctctac	aggaattaag	240
tcgaccacta	caaaaacgaa	ctgaaatgga	agaatgtgaa	aaaagaaaga	taattgctga	300
agaaaagcac	aaggaatggc	ttcagaacaa	gattgagtcc	aaaagaatag	aaagagaact	360

```

<210> 5391
<211> 1222
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1047)...(755)
<223> similar to gi415907 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5391
ttgctttgtc atctgaacca caaactgtac ttcttttgcc tccctatgaa aatggcttct      60
gccagtagca ttttctccag tcatccacag gtgaagacaa ggaaattctc tatcctgagg      120
cccccttttc cacataatcc caccccaatg caaactatct cctgcaaaca gataccttca      180
gactgtttcc cccttcatca taacgacccc agacctagaa atcccagttt aggcctcagt      240
tgaaacattc ctcctacctc taaaaactac ccgtatgggc ctcatctcct catcccacta      300
ggggtctgcc cttcctaaat caaaagcaag tagaagacag agtaaaatgt gtaatatataa      360
tttattctgg gacattttcc tcattgaaga tattttaaca tagattaaaa tacatcaata      420
tttcatgaaa aataaattct agaagaattt aaataatatc tgtaatgtac atgatttgac      480
cctgaatatc cttttttttt tcaacttcaa catcattttt taaaaagtaa cataaaatga      540
taaggactgc aacattcttc atatatcttg tgtctcataa attttaattc aactgcccgt      600
tcttttctca actatgtatg ttaatgggat ttgctcctgt ttttgaatag gaagagtatc      660
cattttctgt ttcttcgtga tatttaggtc ttctttctct gattcttcaa gaaaatgctt      720
cgtgctgagt ttgaatagta atcgagggtc tggattagac agtggtggac aattacacat      780
ctctctaatt ttgagagcct gaggtataag tctatccaag tactcaactc gattgccatg      840
agaagggtgt gtagataacc attctggcat cttgggttgg ccatgcaggc tatcaacgaa      900
ctccatttgc tgccaaaaca ctgaactggc tcttatgtct gcacaagcct ttgcagcaag      960
cagtagtcca attttgtcag cttcggcctc caattttctg ctgtatggtc tattaacat      1020
atactcctgc aatttagact gtatccactg gcacaaaagt gccaaagctat ctcgaggaca      1080
aatggcccaa atcattgtga ggaaaatcat acctaggaaa tccaacaaat gaacatgcc      1140
agcctttcct tctgggccat gaaatagcac atgcagtact tgggcatgct gcagaaggaa      1200
agaaagttga tgaatatcgg tt                                     1222

```

```

<210> 5392
<211> 2038
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (20)...(1179)
<223> similar to gi3882333 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5392
gggccgacca gcccggtgga attcctctgt caaagccaag cttacagtaa atatgcttcc 60
ctcattcacc aagacccccca tggatctcac catccgagct ggggccatgg cacgcttgga 120
gtgtgctgct gtggggcacc cagcccccca gatagcctgg cagaaggatg ggggcacaga 180
cttcccagct gcacgggaga gacgcatgca tgtgatgccc gaggatgacg tgttctttat 240
cgtggatgtg aagatagagg acattgggggt atacagctgc acagctcaga acagtgcagg 300
aagtatttca gcaaatgcaa ctctgactgt cctagaaaca ccatcatttt tgcggccact 360
gttgaccga actgtaacca agggagaaac agccgtccta cagtgcattg ctggaggaag 420
ccctccccct aaactgaact ggaccaaaga tgatagccca ttggtggtaa ccgagaggca 480
cttttttga gcaggcaatc agcttctgat tattgtggac tcagatgtca gtgatgctgg 540
gaaatacaca tgtgagatgt ctaacaccct tggcactgag agaggaaacg tgcgcctcag 600
tgtgatcccc actccaacct gcgactcccc tcagatgaca gcccacatcg tagacgatga 660
cggatggggc actgtgggtg tctgtatcat agccgtggtt tgctgtgtgg tgggcacgtc 720
actcatgtgg gtggtcatca tataccacac aaggcggagg aatgaagatt gcagcattac 780
caacacagat gagaccaact tgccagcaga tattcctagt tatttgtcat ctcagggaac 840
gttagctgac aggcaggatg ggtacgtgtc ttcagaaagt ggaagccacc accagtttgt 900
cacatcttca ggtgctggat ttttcttacc acaacatgac agtagtgga cctgccatat 960
tgacaatagc agtgaagctg atgtggaagc tgccacagat ctgttccttt gtccgttttt 1020
gggatccaca ggcctatgt atttgaaggg aaatgtgtat ggctcagatc cttttgaaac 1080
atatcataca ggttgcaagtc ctgacccaag aacagtttta atggaccact atgagcccag 1140
ttacataaag aaaaaggagt gctacccatg ttctcatcct tcagaagaat cctgcgaacg 1200
gagcttcagt aatatatcgt ggccttcaca tgtgaggaag ctacttaaca ctagt tactc 1260
tcacaatgaa ggacctggaa tgaaaaatct gtgtctaaac aagtcctctt tagatttttag 1320
tgcaaatcca gagccagcgt cggttgacct gagtaattct ttcattgggta cctttggaaa 1380
agctctcagg agacctcacc tagatgccta ttcaagcttt ggacagccat cagattgtca 1440
gccaagagcc ttttatttga aagctcattc ttccccagac ttggactctg ggtcagagga 1500
agatgggaaa gaaaggacag attttcagga agaaaatcac atttgtacct ttaaacagac 1560
tttagaaaac tacaggactc caaattttca gtcttatgac ttggacacat agactgaatg 1620
agaccaaagg aaaagcttaa catactacct caagtgaact tttattttaa agagagagaa 1680
tcttatgttt tttaaatgga gttatgaatt ttaaaaggat aaaaatgctt tatttataca 1740
gatgaaccaa aattacaaaa agttatgaaa atttttatac tgggaatgat gctcatataa 1800
gaataccttt ttaaactatt ttttaacttt gttttatgca aaaaagtatc ttacgtaa at 1860
taatgatata aatcatgatt attttatgta tttttataat gccagatttc tttttatgga 1920
aaatgagtta ctaaagcatt ttaaataata cctgccttgt accatttttt aaatagaagt 1980
tacttcatta tttttgcac attatattta ataaaatgtg tcaatttgaa aaaaaaaa 2038

```

<210> 5393

<211> 998

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (914)...(168)

<223> similar to gill109828 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

tgctgttaca	gagtaagaaa	ctcatggaag	ggccacctca	ggagggggat	ataatgtgtg	1140
ttgtaaatat	cctgtgggtt	tctgccttca	ccagtatgag	ggtagcctcg	gacccggcgc	1200
gccttactgg	tttgccaaag	ccatccttgg	catctagcac	ttacatctct	ctatgtgtgt	1260
ctacaagcaa	acaaacaaaa	ataggagtat	aggaactgct	ggctttgcaa	atagaagtgg	1320
tctccagcaa	ccgttgaaag	gcatagaatt	gactctgttc	ctaacaatgc	agtattctca	1380
attgtgttac	tgaaaatgca	acattagcaa	agaggtgggt	tctgttttcc	aggtgaaact	1440
tttagctcca	tgacagacca	gcctgtagtt	atctgtgtac	acagtttaca	gctacaaaaa	1500
cctacttttg	tattttattac	agaaaagtgc	tcagttaa	gtaagtgtta	ttccttcagc	1560
aaaatattca	ctgacccaaa	actctttatg	gcattttaca	atgcacacag	cctcatgcaa	1620
gttttagaca	gtggatttat	actgtcttat	gagtggccgc	ccctgatata	ttacctcatt	1680
atgcaaaaat	aacatatctt	tcatgactat	tttgacaaaa	gtttaaaaca	catatgaagt	1740
tcaaatttca	ggaaccaagg	actgccagaa	aattattagcc	tctacattac	gcatgcat	1800
agaagcttac	ctgaaatctg	ccttttataa	aggaatagta	tggaataagt	gaattgtaca	1860
tttttttaaac	ttgattgcca	ttaaagcaga	aattataagg	ttgcaacaat	atttgtttct	1920
aatcactggc	tttctcaaga	gtatggattg	acatattgtg	ttatgaatgc	acatctctca	1980
gatgtgttga	agcatccatt	gcatccattt	tttattattt	tcttagtttt	gttcttggac	2040
aaattttaaac	ttttaaaaga	ttattcaaga	tgaatttaaa	agtcaaccct	tcacacagtt	2100
tccctactgt	atgtagaatc	caggtgctga	aaccaagtgt	ttcttttccc	atgctctttg	2160
ttaaacccca	attatagata	atttttccag	tcttaagctc	tgccacctt	caagtcaatt	2220
cataaccaag	tttttgaacg	ctgctatgaa	ttgcaactgt	aaaagcactc	ttccctctca	2280
gttttctttt	catcccagcc	atgtttatca	gatccttaag	aacattgtat	ttcagtcttt	2340
tacatcagtc	tgaatttttg	aaaagaatgc	aatagttgta	ctccacagtc	agtggaaactg	2400
ttccctgagt	ccgaggctca	tgtgtcattc	tggcactaca	tttgcttaaa	ttgctatttt	2460
ggcaacagca	cagaaaacta	atatttttaa	gcagagaatc	ttggcaatga	gtgagagatg	2520
ttaatttcac	agaagcacaa	ctcccaaccc	aacccttagg	aaaagccctc	ttccatcggt	2580
acagtgtca	gtgaatatta	attttagttt	gcttaagtgg	ttgctataca	aactttgaat	2640
agccacctaa	taaataaacc	ttgcatgaca	aacctgcaaa	atattttatc	agctgttatt	2700
ggaaagtgat	tttaagcaat	tgttctctca	gtgtcagggc	acatgtgaat	ttccacacca	2760
aacagagcat	gaggaaccag	ttgacatgct	gggttgtgac	tggcagcttt	agcagcctca	2820
gtactgaagc	cacaccagt	tccggatgga	agtctgcac	tgaggttgct	cagtgtcccg	2880
gtcatttcatt	tacacatttt	aacttgcatt	aaagagctgt	tcttttctgt	ggcctagact	2940
cttttctactg	atctcaaaat	aaactgggtt	ttttcaaaaa	aaaaa		2985

<210> 5395

<211> 1268

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (725)...(492)

<223> similar to gi4589624 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5395

gccaggaaga	gatacttaag	agttgatata	tacactaaga	aagatgaaaa	gatccagcca	60
tacaactatc	taaggaaaga	tatttctctt	ctatgggcac	aagaagcaca	caaaacaaca	120
ggtctcagtg	tattgtaaac	accatcaaag	acctccacac	cattaggctt	ataatctcac	180
aagcattctg	cctttgtcag	acacttcaca	gggtgcaact	gggttacttt	tgagggcaaa	240
gcggagattt	tgatttctgt	tgtaaaaagc	ccaacagaga	gaaatcggag	gctttctcat	300

ctctgaccca	tcagtccaat	tcttttgtcg	tcctttatgg	aagtcttttc	tctgttgcag	360
ccactttcag	taattgcaaa	aggaaagaaa	aagtgtctcc	cacaatcctt	ctctgggagt	420
tcatgttttt	ttgctacttg	tcttctgttt	ctgtttgcga	aggtgagcct	ctatctcgtg	480
cctgaacacc	agcatgcccc	gctggccgtg	ggatgcctcg	ttcatggcct	tggactgcat	540
gcacatcttg	tactgctcgg	gggtcagctc	gtccatgcag	cgcttctcat	gccagagggtg	600
gaagagtcct	cgcacaggcg	tccgtaccac	tatgagggtg	ctgtggagat	acttgcgata	660
aaggtgcaca	tcctctccgc	cccagccttt	gatgtccaga	tcaaaccac	ctgtcgggac	720
agaacacact	gttgaatcac	actgcactga	tctgttttgc	ttccctgagt	tgcaacaagc	780
acaaactttt	cattaagaca	tgactggggg	ggatgcgtgc	ttcaccacca	cccctccaag	840
gtacgagagt	gtccacctgg	gtcagaagcc	ccgagaattc	cccaacaaag	acgactttta	900
tggcagacag	caccgacttc	ttcagatgac	aggacctcca	agaaaattcc	aagcatttgc	960
ctgcattcaa	gagttatcag	caatgcta	gaacagcccc	agcctcgtgg	ttaatgggta	1020
caaaaataag	atctagtatt	cggtagcatt	attactgaca	gacttattgt	gattatgaat	1080
tagctattgt	taacaattta	ttgtatat	aaaaatagct	agaagactga	taaatatgat	1140
aaataattga	aatgatggat	acctcccatg	accctgatgt	gatgattaca	cattgtatgc	1200
ctgtatcaaa	acatcacatg	taccccataa	acatgcgcat	aataattaaa	aatagagggt	1260
tcgtaaaa						1268

<210> 5396
 <211> 1222
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1210)...(447)
 <223> similar to gi3786433 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5396						
tttttttttg	gagtactttc	acgtttaata	cgcaagggca	taaaatagaa	tgttaggaaa	60
caatttggat	ttttttccct	aaaatatagg	tgactatggg	ctagtttaca	actttccctc	120
tctcactgaa	ataaaaaatac	atagtttaagg	attagggacg	aatacataac	aggtgacatt	180
tgacagtttg	ggcatattcc	ttgttacttt	ctaactctga	gaatcacagt	ttgctgtttt	240
aggagggtatc	tgaggagggt	ccagataaaa	ggcgatggcc	taaatgctct	taaactttga	300
gcgtgcctgg	atgctctaaa	gtaggagagg	aatttataac	agaagcttac	aatgaagaac	360
cagacattcc	gagccatctg	agatcttgca	atgagaaggc	gccaggcgat	aaggaagagg	420
gcagtattaa	agaggtagtg	aatatctcgg	agccttttta	agcgttgctt	tgcttttggg	480
atcccagcca	tatcctcttt	caataagtat	tttttaactc	ccaaaacata	attttcaatg	540
tattccaacc	agttcaactg	gcgcacgtca	aagttgaata	ctctctggtc	ttcaggactc	600
agctcagaca	tcagcatttc	tgtattgtac	gtgctccatt	cccaactccg	gttgatgaaa	660
tactccaaca	tggaaacagt	tcttaaaagc	cgattcatga	gctttgtcat	cctgggcttc	720
cttcagtgga	gccgcagata	gcagtcatag	ataatggcag	gggcccgggtg	gctgaccgca	780
ttccagtgat	gtgatgtgaa	gctgttgctg	gtaaaattag	catttggcct	cctgaaaggt	840
ctctcaaagt	ggattttttc	aaagggttgcc	aagacttgga	ctcccatttt	gtgccaattg	900
cagggattca	tgttaccaga	tgtaatgtgg	tagactaatg	ttgacttagg	tctgtgaact	960
gcagtatacc	atcctacagc	tagcatgaga	ttgacgactg	tatcaactgg	aattacgtct	1020
gccacagcca	ttggagtagc	ttttatggcc	cgaagaaacc	ctttcccagt	cgcaataatg	1080
attccattag	gtccatttat	attatcaacc	caacctggga	aaggctcctg	ccaagttgct	1140
cccacaatgg	agggccttat	gatggcaatg	ttcagggttc	tgctctcttg	ctgcaccacc	1200

atttctcccc atgtgccgaa tt

1222

<210> 5397
<211> 399
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (402)...(288)
<223> similar to gi4929667 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5397
ggaaactttt tcagtattgc tcttctcttc tctctcacat tttccatgat tgacatctgg 60
taaccacaga ggtatcccga gtgaagggtg ccctggcctg cagcagctct gctctttttt 120
ttcccctact ttcctaaact ttattaaaga aaaaagcact agaacatagt cacttttctg 180
ggattcctcc ccgcaaaatg tgacgtttga ttttcaaaca tgccagaagt ggacatgggt 240
cccagttgta ctaaataagg gagaagctga agtcctaaag tgttcatctt ccaacttttc 300
ccagtctgtg gtctgtcctt ggatcagtaa taattgtctg aacagctact atggcttcat 360
taatttttgg ctggagctct ctgagctctt ctatatgcg 399

<210> 5398
<211> 2951
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(2954)
<223> similar to gi1510155 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5398
atctcactga ggaccaacct ttcgacattc ttcagaaatc cttgcaagag gccaatatca 60
ctgaacagac attggcagaa gaggcattat tggatgccag tatagggttca agccaacagt 120
ttgcacaagc tcagcttcat ccttcttcat cagcatcctt tactcaggct tctaattgtt 180
ctaattactc aggtcagacg ctgcagccta taggggtgac gcatgtgcct gttggagcat 240
cgttttgcaag caatacagtg ggtgtacaac atggccttat gcaacatgtg gggatcagtg 300
ttcccagcca gcatttgtct aatagcagtc agattagtgg ttctgggtcaa atacagttaa 360
ttgggtcatt tggtaatcat ccttccatga tgactattaa taacctagat ggatctcaaa 420
tcatattaaa gggcagcggg cagcaagccc catcaaagt gagtggaggg ctctgggttc 480
atagacagac tcctaattggc aactccttgt ttgggaactc tagttccagt ccagtagcac 540

```

agcctgttac cgttccattt aacagcacia attttcaaac atctttacct gtgcataaca 600
tcatcataca aaggggtctt gcaccaaatt caaataaagt cccaattaat atacagccaa 660
agcctatcca gatgggtcag caaaatacat acaatgtgaa caatttgga attcagcagc 720
accacgtaca acaagggatc tcttttgctt ctgcaagctc accccagggc tcagtagttg 780
gtccacacat gtctgtgaac attgtaaacc aacagaacac aagaaagcca gtcacctcac 840
aggcagttag cagcactggg ggcagtattg ttattcattc ccccatgggc caacctcacg 900
caccocaaag tcagttcctt atacctacaa gcctttctgt cagttccaac tccgtacacc 960
acgtccagac tataaatggg caacttcttc aaactcaacc ctctcagctc atttctggcc 1020
aagtggcctc agagcatgtc atgttgaaca gaaactcttc caacatgtctc aggaccaacc 1080
aaccatatac tggaccgatg cttaacaacc agaatactgc tgtccactta gtgtctgggc 1140
agacatttgc tgcctctgga agtccagtga tagccaatca tgcctctcct cagcttgttg 1200
gtggacagat gcccttgtag caggcatccc caactgtatt acacctgtca cctgggcaga 1260
gcagcgtttc ccaagggaaga cctggcttcg ccacctgccc atcgggtgaca agcatgtcag 1320
gacctagtcg gttccctgct gtcagctcag ccagcactgc ccctcctagt cttgggtctg 1380
cagttcagtc tggttcatca ggatcaaact ttacaggaga tcagctgacc cagccaaaca 1440
ggactccagt accagtcagt gtgtctcatc gtcttccagt ttcttcttcc aagtctacca 1500
gcaccttcag taacacacct ggaacaggaa cccagcaaca attcttctgc caggctcaga 1560
aaaaatgtct gaatcagact tccccattt ctgctcccaa gaccacagac ggctgaggc 1620
aagcacagat ccctgggctc ttgagcacca cactgccagg gcaggattct ggaagcaaag 1680
ttatatccgc atccttagga accgcacaac cacagcagga aaaagtagtt ggatcatctc 1740
ctggccatcc agctgtgcag gtggagagtc attcgggagg acaaaaaagg cctgctgcga 1800
aacagctaac gaaaggagct ttatttctcc agcagttgca gagggacca gcccacactg 1860
tgacaccaga caaaagtcac ttccgatcac taagtgatgc ggtacagaga ctgctctcct 1920
accacgtgtg ccagggtctc atgcccactg aagaagactt gagaaaagt gacaatgaat 1980
ttgagacagt tgccactcag ctcttaaaaa ggacccaagc tatgcttaac aaatacagat 2040
gcctgctcct agaagatgcc atgcgaatca atccccctgc tgagatgggt atgatcgata 2100
ggatgttcaa ccaggaggaa agagcttccc tgtcccgaaga caagcgtttg gcactttag 2160
accctgaggg ttttcaggct gatttctggt gttccttcaa acttgataaa gctgctcatg 2220
agacacagtt tggccggagt gaccagcatg gcagtaaagc aagcagctct ctgcaaccgc 2280
cagccaaggc ccaaggcaga gaccgagcca aaaccgggtg gacggaaccc atgaatcatg 2340
accagtttca tctagtgcct aatcacatcg tggctctctg agaaggaaac atttctaaaa 2400
aaacagaatg ccttggcaga gcaactgaaat ttgacaaagt gggcttagtg cagtaccaga 2460
gcacgtctga agagaaggcc agccggagag agcctctgaa ggccagtcag tgctctcccg 2520
gccctgaggg gcaccggaaa acctcatcca gatcggatca tggtagtgag agcaaaactgt 2580
caagcatcct agcagattcg cacttggaga tgacgtgtaa caattccttc caggacaaaa 2640
gtctgaggaa ttctccaaag aatgaagttt tacacacaga catcatgaaa gggtcaggcg 2700
aaccocagcc agatctccag ctgacaaaga gcttggaaac cacatttaag aacatcttgg 2760
aactcaaaaa ggcgggacgg cagccccaga gtgacccccc ggtagcggc tctgttgagt 2820
tagatttccc caacttttct cctatggctt cacaggaaaa ctgcctggaa aagttcatcc 2880
cggaccacag tgaaggtgtt gtagaaactg actccatttt agaagcagct gtaaatagta 2940
tcttagagtg t 2951

```

<210> 5399

<211> 1450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1232)...(793)

<223> similar to gi5737842 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

```

<400> 5399
tttttttttaa agtgaaaaag aattttattta aggtttttggt atatcaggac aacaaaccag      60
ccctttttatg tcaccactca tttaaaaggg cattccaaaa cattaccatt aatgtagtag      120
cccatgtttt ctttcaggca ttttcaaagg gcatctcaga cccacaatat tttctattga      180
gtgtgcagaa aaacagagct gcaaaatcat tagtaaggca aaataataaa atgtctccct      240
ttttattgaa acatcaattt tccatgtttt agagatatc tgaatttaac attcatagat      300
atgcaatatt taagtttttag gatattagca tactatcagc aatattgggt ttaatagcta      360
ctatcaagca actgatttct aatgcacaca acataatttg atagtatatg tataagaaga      420
tggcctgaat tttgccctca aatgcacaaa agaatttttc catacacatt ctcaaaagtc      480
tttggccttg ctgaataata atagagctgt tattttactg tgaagcaaaa taagccttca      540
agtgtccctt acttgatctt agaagggtcaa attctctgtc caatagttcc tcttctgtta      600
acttagagaa attatcctct ccaaaaggat tccaccctga catatcaggt ggattgctga      660
tgttcttctg atttgtgaaa tttgcaatgg cctctttatc agcaactgac ctattggcac      720
tataggagga gtccattatg gttccaaacct gagctggaag tgatgaagtg taggaaacta      780
aggctggtga gaactcttga ggggagggtaa gatattcagg tgatgcctgt tgttgagacg      840
gctgatgttg agctagcatc tgctgttgaa agaaagcctg ctgatactgc ggcatcattg      900
taggatactg tgatgcagaa ggttggtggt gatataccga atgcattaaa aattgttggt      960
gaagcatctg ttgctgctgt gttgcatggt gatactgctg catataagca tcttgaagta     1020
ggtggtggtg gtggtggtgg tgggtgctgct gctgctgctg ctgctgctgc tgttgctggt     1080
gctgctgctg ctggtgctgt tgctgctgct gctgctgctg ctgctggtga ggatgacgat     1140
gctgtaaatg gagttgctgt aatctccaat ctccctgctg tagttgctgg agtactctat     1200
gctgctgtgg cggctgctga ggaggtccct gacccaataa aatttcaggg ccatttccag     1260
gtcttagtgc cccttttggg ctatgggttac cgaattcacc aggagcaagg actttaacag     1320
gtgttgctga actttgaatg gtcagcacac tgggagtggt agtagtagca gagttggcct     1380
ttggtctttg tcttggtgca attgaggtat atgttggtca aatggtatct gttattctgg     1440
cttttatttg                                     1450

```

```

<210> 5400
<211> 5931
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (3)...(1155)
<223> similar to gil665787 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5400
ccaactcctg gagtccctcg ggagctgccg ctgcaggccc ccgagccgct agggccccgcc      60
gccaggccac cgctgctgcg gcagccatgg cggaagttca tagacgtcag catgctcggg      120
ttaaaggaga agcccccgcg aaatcctcca cactccgaga tgaggaggag ctggggatgg      180
cgctcgccga aacgctgacc gtgtttctga agctgctggc cgccggcttt tacggcgtga      240
gctccttctt gatcgtggtg gtgaataaga gcgtgctcac caattacaga tttccctcct      300
cactatgtgt tggacttggc cagatggtgg ccacagtggc agttctctgg gtgggaaagg      360
cgctcagagt agtcaagttt cctgaccttg acagaaatgt acctcgaaag acgtttccac      420
tacctctact atattttggg aaccaaatac cgggactgtt cagcaciaag aaactgaact      480

```

tgccaatggt	tacagttctg	agaaggttct	ccatcctggt	tacaatgttt	gctgaaggag	540
ttttactcaa	gaagactttt	tcttggggta	ttaaaatgac	tgtatttgca	atgattattg	600
gagcctttgt	agctgccagc	tctgacttgg	catttgatct	ggaaggatat	gctttttattc	660
tgataaacga	tgtcctaaca	gcagcaaattg	gtgcatacgt	aaaacaaaaa	ttagattcaa	720
aagagctggg	aaaatatgga	ctgctctatt	acaatgcact	gttcatgatt	ctgcccaccc	780
tggccattgc	gtatttcaca	ggagatgcac	aaaaggctgt	ggagtttgaa	ggctgggctg	840
acaccctctt	tcttctgcag	ttcaccctct	cctgtgtgat	ggggtttatc	ttaatgtacg	900
ccacagtact	ctgcacgcag	tataattctg	ctcttacaac	tacaatagtt	ggctgtatta	960
agaatatatt	aataacttat	attggaatgg	tctttgggtg	agattatat	ttcacgtgga	1020
caaacttcat	tggtttaaat	atcagcattg	ctgggagcct	ggtatatcc	tatatcactt	1080
tactgaaga	gcagctgagc	aaacagtcag	aggctaataa	caagctggac	attaagggga	1140
aaggagcagt	gtgaccagag	gattgcttca	tctgatacgt	aggcctaagt	ttttaatcaa	1200
ctcagaacac	tggcagttcc	tacagagaca	ctgaggtgtc	ttgattatgg	aggaaataac	1260
cattcctttg	cacttgtaaca	atctgaggat	tgtattgctgc	cttttaaaat	tttatgaaga	1320
gagaaaactta	taattgactc	tatttttaaat	atgttgtttg	aattaattta	tatcagactg	1380
gaaaaggtag	tgggcttttt	aattttatttt	tcttatatgc	cgacagtga	acatcagtg	1440
tttgaaagta	ttttatttca	taatttgata	tccagggtgc	cctgagagct	gcatatgtaa	1500
tgtttgccaa	ctggagcttc	atcattcaaa	ttgttgctgc	atctggaggc	agtttagcct	1560
ttcctctgct	ggaaatgcag	acgaatatgt	gaaattttctc	ttctttgaat	cttatttctt	1620
atgattgcat	tgtcttcatc	atatcatcat	tccatttgcc	aaggaaaaca	actttggcac	1680
tataaaaata	tgtggggctt	tgaagtgtat	tgtatctat	gttggttcc	ctgactttca	1740
taggatgagc	agagtgcatt	ccttgaaaac	atgttctttt	ttgttggtgt	agaatgggga	1800
taatgaagg	ggtgagaaag	taggcctttt	actaattttt	catctatttg	acttattgat	1860
tcaactaaaa	tgttttaagt	atatgtgcca	ggcattgtgc	taaatgctgg	ggatacagag	1920
atgtttgcag	aggtagttga	aacatctcac	tcctgccata	gtgactcagg	taagggtgag	1980
aatttagctc	tgttaattcta	ttcagaagat	gtcactaaga	gtaagttgtt	tcagcactca	2040
aaagccgcaa	atctgtaaat	tggattaaga	acacctgccc	tacctacccg	gcaatagtgt	2100
gaatccaaat	gctgcaatgt	gagatgaggt	acaagtaaag	agctgtgttt	tgtaaaccag	2160
tgcagctcag	cattgactcc	ctctctaagt	gaaaattgca	gacaggcaag	tctgttttcc	2220
cttgccacct	tcctttgggt	ttggttgctc	tttgatgaa	tatgatgagg	gcccacattt	2280
ctgaatttat	tggtttgag	ggaaaaggctg	gttagacgtc	tttgatttgt	caatgggttg	2340
tttttctctg	gcagtgtcag	tgttaaaagt	atcattttcc	ttcttaaatg	gcatgagcaa	2400
tgagcaaaact	tcctcctttt	caacattctc	acctacatca	tgtgceccct	ggctcaccta	2460
ctgagcttgc	caacttctct	caaaaccaat	gctgcatttt	gggagagcag	ctgtgaatgg	2520
gcaactgccta	aattgcctct	tggggtaatc	tggagggtgg	agggtgtaac	tcaaacataa	2580
ccctatgact	tgactcagag	atatccattg	actttgagga	ttagtgtgtt	tgctcaggcc	2640
agttgtacag	ccagtgtgca	agagatttgg	taccttgca	ctaattgcaca	caccagtgtc	2700
tatttccattg	ggtttggaat	ccactggact	ctgttgacct	aaacagttag	gggttttgat	2760
tttttttgat	atgcaaattt	atattgagat	cattttcata	ttcctgtctt	ttggtttgctc	2820
tttactaaag	cttggtctgg	ggtgctgtgt	ccctagaatt	atccctgcaa	ccaactccca	2880
agttacaagc	ttcattaaga	gccttagact	cacttttttc	tagcatcttc	tgacctgaga	2940
aaattccact	gggagtaaag	gatagtatct	tgtgtcatat	gggtcttact	ctccctattt	3000
taccaatgag	aaaacaaaac	tcagagaaaag	atgacttgct	aatacatcaa	acccatgtcc	3060
tttttattga	actatgctgc	catttaatta	accgcccttc	ccctctgagg	gagtaaggaa	3120
acagatcctg	agttcacttg	agcactttca	aaaaagcaag	cagttgattg	aatttggtgt	3180
cagagaggag	catactttgc	aaatcaggaa	gagtgacagc	ttaccctgtc	ctggaaccct	3240
tatcccgcct	ccaggctgac	tttagttgat	aatgcacttc	tggctgtaaa	tgttgccaac	3300
acttctctgt	tttgcttagg	tacagtgaag	gggcatagtg	agagctattt	ttagtgatcc	3360
tgttctttct	gtcagcaaca	tgaaggagg	acgtttgaat	aatttttggt	gtagaatatt	3420
tcttcatgaa	aggcttttgg	gtgtctttta	cagggtgttg	gctagagccc	caccaggagt	3480
tgaactgcct	cttgggggtc	aggttcccta	ggagatctgt	cacctcttca	ggagtatttg	3540
agaacattgt	gtagttacag	cttcaactaa	tgcacgtgac	aggcttctgt	gccttgggag	3600
ccctggctta	tgtgaaact	tctggctgac	cagagcagta	cagcaacttt	gccctgtctg	3660
tgttctgctt	cctggatgca	tccttcagcc	actaaccagc	attgcaagat	ggagcagggt	3720
gaacaagctg	gagactgaat	agtcttttgg	agtttgctgt	ttgattattg	caggcgtgtt	3780
acaatatact	ggtgatttac	ctgggtactgt	ggcacctccc	agaaagtctg	gtttttgccc	3840
catgtttgat	atttactagg	cagaaattct	ttgtcctggt	aactgcctcc	tgggagaaaa	3900

```

agaggcaata cagagttaaa tccttaattt gccactgag acagatgagc tgtggtattc 3960
caaaagacaa attctatgac tagtgtctcc tgttcaatgt aagttagacc ctctttggcc 4020
aatctgcttc tagtcaaggc taaatggatt ggaataaccc tagttggcca ggctacacat 4080
tgccagcatg tcccggttgag ttttaattgc ctcatgtggc tgtggacttt atgagtcaat 4140
catttgtagg ctccagtttg cacctagttt ttttttttta aaaagggcat ttacccctt 4200
ttggtagccc tgttttatca agaatccatg gagggttttg gtcagtacag ctggtgcagg 4260
atcctcacgg agaaacagtg gagtttcaca ttgagttggt ttgaaatggc accccaggac 4320
tttgggcctg ccttacttga tagcctcggt cagttagcaa agacttagtg agcagctctt 4380
gtatgccaa gtaattcttt agccagatat ggaacactgg accctgagtg ggagaaagga 4440
gacagatgaa aggagtcogt gattttgtaa ccaagagctg cctgcatggt tatgagtatc 4500
actgatttta gggacgcccc acagagctaa agcatttttt ttaatccgag aggacttttg 4620
taactcatat tagttaatct tctagctctg agatagcaac acagctctta gaattctgta 4680
agtagcttga ggcctcctcc tctactgtac atgttcttgc tttcccaaaa ttgtaagttt 4740
ggtttttctt atgaacaaga ctgtaattga tttttctctc cctgaggaaa aaagttcgga 4800
ataaatgaga catggatatg aaactactta gcacaatgcc tggtagatat taggcctca 4860
gcaaatgtgg ctaccgtgtc attatttcat ggtgagactc aaggcaaaac aagattctta 4920
atztatgctc cgtaaatgct agaggcttgg gcaatacggc ctgtcctgaa aaacaggact 4980
ctgtgtctca ttgcctctag aatccttagg tagcagtttc tgttactgtt cttttctttt 5040
ttaaaaaat ctgctggaca caattacggc cattacatga tgcaggtgat tctacctatt 5100
ttttaaaaag aacaaaattt cttttatatt gtgacagtac attttaataa aggaaaatta 5160
ttttcttccc cctactcccc ctcttttttt ttttctggta aagacagggt ctactctgt 5220
tgccagactg gtctcaaact cctggcctca agtaaccctt ctgtctcagc ctcccaaagt 5280
gctgggatta caggtgtgtg ccacatgtcc ggccaggaaa attattttct atcttaaaga 5340
aacatagtta cattttagaa tgtcaattca gttaaatctt tctcagtttt tacctttaga 5400
tggtcctcctg aaaggccagc gttccttttc cctctctctga attgaaagca cttgaccca 5460
tgctgccccct gcttccaggc ctgtctcagt tgtcatatat tgtgagtcct tggcaccatt 5520
actgttttct aagccagtct tctaggtctt actttcagga tgcgtcttca tggcatgagg 5580
atatagttta cagtgttgta gttttttttt ttttaaagct ttgttcttta aaaatacttt 5640
ttaaaaaaaa atctactggt taaattttatt gtctcacaaa aatgttttta gaagattatt 5700
tttttccaca aatgttttcc tttcctcatg ctgatgatca actgattttt gtcctacagg 5760
tggttagctt ctcacagagta tttttttcat ttttagagtc tatttacc aaatgacatt 5820
ttagtggtta aaggtactga ggaattgagg tatgtaaatc aggtgacata aacatgaaaa 5880
ttatgtgctt aaatattttt gtaatggtgt aaaataaata ctttttctg a 5931

```

<210> 5401
 <211> 1198
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (118)...(719)
 <223> similar to gi3878412 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

```

<400> 5401
gtcatttgca agggctttct cgtcctgtgc tcgtctcttg atctgactac cctggctcct 60
gagcgtcaag tggaccaggc caggggtttt gagagcatcc tggatgtcct ctctgtcatg 120
tacatcaacg ccagctgcc tcgggagcag cggcaccgct ggcgcctgct cttttcgtct 180

```

gagctccatg	gacacagctt	ctcccagctc	tgtggccaca	tcactcaccg	ggggccctgt	240
gtggctgtcc	tcgaggacca	tgacaagcat	gtgttcggtg	ggtttgccctc	ttgctcttgg	300
gaggtgaagc	ctcagtttca	aggggacaat	agatgcttcc	tgttctccat	ctgccccagc	360
atggctgtgt	acacacacac	gggctacaac	gaccactaca	tgtacttgaa	ccatggacag	420
cagacgatcc	cgaacggact	gggtatgggg	gggcagcaca	attactttgg	gctttgggtg	480
gatgttgatt	ttgggaaagg	acacagcaga	gccaaagcca	cgtgcaccac	gtacaacagc	540
ccgcagctgt	cggctcagga	gaacttccag	tttgataaga	tggagggtgtg	ggcggttgga	600
gacccctcag	aggagcagtt	ggccaagggc	aacaagagca	tcctggatgc	ggacccctgag	660
gcccaggccc	tgctggagat	cagcgggcat	tcgcgccaca	gcgaaggggt	ccgggaaagtc	720
ccggacgatg	aatgaggagc	cgcctgagcc	ttcctggagc	caggacctgg	attcctcttg	780
gtagagggca	ccgcctgcag	cccctcttcc	ctcccacatg	gtttaactgt	aatagcgtac	840
cgcacgggtc	acagcctggg	agtcccacat	gtgccaagaa	gacgccctct	gaagccatgt	900
cttgactcat	gggtggatct	cccagaaata	gatgtttttt	aagttttctt	ttttgcctta	960
cagggtcacc	ctcagatctt	ctccaagaaa	tcttgtgtca	aattagtaac	tcagtcttat	1020
actttgttct	tttttaccaa	cgaaatccta	agcagctgag	acctttcaga	ccccgcctgg	1080
cattagggaa	ttccgctggc	attagggaat	tccgctggca	ttagcattgc	tgggatctca	1140
acttctctat	tgaagagggg	gttcctcccc	ctgggggttca	tatggcctca	ctcacgcc	1198

```

<210> 5402
<211> 645
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (289)...(433)
<223> similar to gi4587207 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5402	
gatcaaggaa	ggactcaccg taatcacttg cttaaaaaga acacttaagc aaggactgaa 60
agggagtgaa	gatgtgagac aaatagggtat ctggaggagg agcgttccag ccaaggaaat 120
gcccagtgt	ttggactcat ggcagaaatg tacttgagta ttctaggacc aactgggaag 180
cccatggaag	ccagagtgga ggtcggggag ggagcaggag gacacagagc caaagccttt 240
ctgaaccaag	agggacagga attgggtgac cgtaataaac ttgtaatttt ctgcctccag 300
gattcagagt	ttggttgagg aaatgtcttc ttgctttcag ctgctgttaa catatcgggc 360
ctggttttct	acctcatctt tggccgagca gatgtgcagg actgggctaa agagcagaca 420
ttcaccaccc	tctgagcaaa ccgagagatg tgctagatcc tgggtgcttag ttcattcattg 480
ttttccctca	cagacatttc tctttcatgc ctgcttgact gataagccat tagctagacc 540
ctgactatgt	aacgctaaag attttacat gcctggaaat tttagagggg aagaaaacac 600
gctagttatt	taactgcaag ctactaaaag cataggtgtg ttgag 645

```

<210> 5403
<211> 745
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (273)...(349)
 <223> similar to gi5102894 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5403
 gtcactcttt ttgttctggc gtgtcatgtg gtacttttagg tagcttcaca ttttatgttc 60
 tagttaagta aaattcttag agaatgaggt actatctctg gatagtctgt ttgatcttga 120
 aaatgtacag aattctttgc ctcttgatcc tggaggacta gtgactttcc agctctgaga 180
 gagaacagga tccctctgcc aatttttttc tgtggtgtaa ggcagagcct ggtcactcca 240
 tctaagtctg tctatctcat ctcacgtata ggagcgggat gctgcactcc aaccctgggg 300
 actatgcctg gggtcagaca gggcttgatg ccattgtaac ccagggtgag gagctgcctt 360
 ttgagggtgt ctgttcagtg tgtctcatgg ttccacaggc ttctgcttt ccttctgcta 420
 ctttctgaaa tggcagtcac tctgctttct ctaatatattt gagctttggg gtttccattt 480
 tactaaaggg atgaatgatt tatgggggta gctcagcatc catgcacttc ctaggtctga 540
 gggaatttct agaagatggt ttcacctcca taggaagaaa agacttctat aacaaatagt 600
 attttgtatt tttgtctctc ttgctcagtt ctataaggat tctattaaca aatatttcac 660
 aaaaaagga gggtttctct acatgttgaa gcagggattt ctgctagatg gagcaaagta 720
 ggggaaggaa gcagagaaaa aagta 745

<210> 5404
 <211> 3043
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (2)...(3045)
 <223> similar to gi4589634 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5404
 gaggaggagc tggagggggc gcggcttctt ctcggtcgct ccctggcgcc gggcctcttt 60
 ctctgcctgg cccagggctg gcggccggcg ggggtcgcg cgccggcagt gggggcgctg 120
 gcgggcccgc ggtggcgggg gccgggcccgc ggctccgggt gttaggagac aagatggcgg 180
 cggtctcag aaggccggtc tctcctctc cgccgtctc cgccccgcgc ctgcgcgcct 240
 cctcctctcg ggtctcctcc tctcgtttg ctgcctctc ctctcctgc agcagcacca 300
 gcgaccgcgc aagcgccggc tcgctcacc ggagctcgg aggtggatag acggggcagc 360
 tgcaggctcc ggcgaccgag gccgagctgg ggcggggcg gggacggcg cgccggcggc 420
 ggcgacggcg gcggcgccgg gtggggatgg ggtcgcagac gctgcagatc ctccgacagg 480
 ggggtgtggc cgcgctcagc gggggctggt actacgacc gcaccaggcc accttcgtga 540
 acgcgctgca cctctacctg tggctcttct gctgggccta cccttcacc tctacatggc 600
 ccttccttct accatgatta tagtagcagt ttattgtcct gtgatatctg ctgttttcat 660
 tgttctgaag atggtcaact atcgactaca cagagcactt gatgctggag aagttgtaga 720
 taggactgca aatgagttca cggatcagcg aaccaaagct gaacaaggca actgttcaac 780

caggagaaaa	gacagcaatg	gaccgagtga	tccctggtgga	gggattgaaa	tgtctgagtt	840
catccgagag	gccacacccc	cagtttggttg	cagttccaga	aattccttatg	ccggtctaga	900
tccaagcaac	cagattggat	ctggttcctc	gcgtcttgga	acagcagcaa	ctattaaagg	960
agatacagac	actgctaaga	cttctgatga	tatcagttta	agtctgggcc	aaagttctag	1020
tctttgtaag	gaagggaagt	aagaacaaga	tttggcagct	gatcggaagc	tctttcgtct	1080
tgtctccaat	gactccttca	tctctattca	gccttcctta	tccctcttggtg	gacaggactt	1140
gccaaaggac	ttcagtgaca	aagtgaacct	gccaaagtc	aaccaccacc	accatggtga	1200
tcagtctctg	tccagcgcct	gtgacacaga	agtagcttct	cttgtagctt	tacactcaca	1260
ctcttataga	aaagaccacc	ggccgcgagg	tgtaccacgg	acttctagct	ctgctgtggc	1320
ttttccagac	acttcaactga	atgattttcc	cctttatcag	caaagacgtg	gattagatcc	1380
agttagtgag	ttagaatctt	ccaagcctct	ttctggatcc	aaagaatcct	tgggtgaaaa	1440
ttctggttta	tctggggaat	ttcagcttgc	tgggtgacttg	aaaatcaata	cttctcagcc	1500
acccacaaaa	agtgggaaga	gcaaaccctt	gaaagcagag	aaaagcatgg	acagcttgag	1560
gagcctgagc	acacggagta	gtgggtcaac	agaaagctac	tgtagtgga	cggaccggga	1620
cactaacagt	actgtcagca	gctataaaag	tgagcagacc	agctcaactc	acatagagag	1680
catcctgtca	gagcatgagg	agtctcctaa	agcaggaaca	aaaagtggga	ggaagaaaga	1740
gtgctgtgca	ggccagagag	agaagaatag	ctgtgccagt	gacaaaagga	ctagcagtga	1800
aaagattgct	atggaagcga	gtaccaacag	tgggggttac	gaggccaagg	acccaccccc	1860
ctctgatgag	atgcacaacc	agagaggtct	cagcacctct	gcatctgaag	aagccaataa	1920
aaatcccat	gcaaataaat	ttacttccca	aggggacaga	ccacctggga	acactgcaga	1980
aaacaaagaa	gagaagagt	ataagtcagc	tgtttctgtg	gattccaaag	tgcgtaaaga	2040
tgttggtgga	aagcaaaagg	aaggggatgt	tcgacctaaa	tcttctagcg	taatccatcg	2100
gacagcttct	gcccacaagt	caggcaggag	acgcacagga	aaaaaacggg	ctagcagttt	2160
tgattcaagc	cggcataggg	actatgtttg	ctttcgaggt	gtttctggta	ccaagccaca	2220
cagtgtctata	ttttgtcatg	acgaagactc	tagtgatcag	agtgcattga	gtagagcatc	2280
aagtgttcag	tctgtccacc	agttcagcag	tgatagctct	tctagcacca	cttctcattc	2340
ctgtcagtct	cctgagggca	gatacagtgc	tctaaagacc	aaacacactc	ataaagaaa	2400
gggcacagac	tctgaacaca	cacacaaagc	tcatttggtt	cctgaaggaa	ccagcaaaaa	2460
gcgtgcaaca	cgacggactt	ctagcacaaa	tagtgccaag	actcgtgccc	gagtgttgag	2520
cctggacagt	ggcacagttag	catgtttgaa	tgactcaaac	agggttaatgg	cacctgaaag	2580
tataaagccc	ttaaccactt	caaaatcaga	tcttgaggcc	aaagagggag	agggtgctaga	2640
tgagctatct	ttattaggac	gggcttccca	gttagagaca	gtcactcgat	ctaggaatag	2700
cttgccaaac	cagggttgc	ttcctgaagg	ggaagagcaa	gatgcagtca	gtggagcagc	2760
acaagccagc	gaggaggcag	tgtcatttgc	ccgtgaacgc	agcacattta	ggcgccaggc	2820
agtacggcgc	cggcacaaatg	cagggagtaa	ccctacccct	cctacattgc	tcacggtatc	2880
accctaagc	cttcaagatg	gtcagcaagg	ccagcagtc	acagcccagg	tcaaagtcca	2940
gtcccgcgcc	ccttcccagg	ctgcagtgt	cagtgtcagt	gcctccttgc	tggttaagttc	3000
tcttctacgc	tgtatgagac	tggtggctgt	gatatgtcac	ttg		3043

<210> 5405

<211> 769

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(464)

<223> similar to gi854737 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

<400> 5405
accaaaagga atactcccat tgaagctctc tgtgagaact ttccagagga gatggcaacc 60
taccttcgat atgtcaggcg actggacttc tttgaaaaac ctgattatga gtatttacgg 120
accctcttca cagacctctt tgaaaagaaa ggctacacct ttgactatgc ctatgattgg 180
gttgggagac ctattcctac tccagtaggg tcagttcacg tagattctgg tgcattctgca 240
ataactcgag aaagccacac acatagggat cggccatcac aacagcagcc tcttcgaaat 300
caggtgggta gctcaaccaa tggagagctg aatgttgatg atccacagg agccactcc 360
aatgcaccaa tcacagctca tgccgagggtg gaggtagtgg aggaagctaa gtgctgctgt 420
ttctttaaga ggaaaaggaa gaagactgct cagcgccaca agtgaccagc tgccctccag 480
gagtcctcag gccctgggga ctctgactca attgtacctg cagctcctgc catttctcat 540
tggaagggac tcctcttttg gggaggggtg atatccaaac taaaaagaag aaaacagatg 600
ccccagaag gggccagtcg gggcagccag ggcttagtgg gtcattggcc atctccgcct 660
gcctaaggct ctgagcaggt cccagagctg ctgttcctcc actgcttgcc catagggctg 720
cctggttgac tctccttccc attgtttaca gtgaaggctg tcattcaca 769

```

```

<210> 5406
<211> 933
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(301)
<223> similar to gi4868443 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5406
accatcagca gtgacacgga cgaggaggag gaacagaaac acgccccac cagcactgtc 60
tccaagcaaa gaaaaaacgt catcagctgt gtcacagtcc acgactcccc ctactccgac 120
tcctccagca acaccagccc ctactccgtg cagcagcgtg ctgggcacaa caatgccaat 180
gcctttgaca ccaaggggag cctggagaat cactgcacgg ggaacccccg aaccatcatc 240
gtgccacccc tgaaaaccca ggccagcgaa gtattggtgg agtgtgatag cctggtgcca 300
ggtaattttg ggccaggaca gggcaggaac ctctccctgg agagtggttt tcctgctttt 360
ctgctgctag aaatgttgct gtatgggagc tagtacaata gaaagtgcc agtgactgca 420
ggcgaccctt accgaggatt ttattcaagt atccagggga ggcttctgct gaacagcaca 480
ttgtataagc agcgttttcc ttctttaatc ctgtaatcaa tacctctctg cttttacaat 540
ggctctgctt ccaactaggt tgattaatat aaaataaaa cctcctgggt ctttatgcct 600
gagcctggaa gaatacctgg tctggggagt tcctggctga catctagcac cactctctgc 660
caggaagccc tgggtggtcag atgggcttct tgtgtaggaa gaacctcctc cgagtcttgc 720
taggggaagg tgaaattggc cctctcagc cctcctcgg aatcagctgc tgggcggcga 780
gaccaagcca tgtgtgtttc tctgctcatg cactgctatc tcagaggac tcctcctgtc 840
ccgcgaaggc ttgtcttgaa aattggggcc tggaataaag gctgagaacg taaccttctg 900
aataaactca gtggctcact gtaaaaaaaa aaa 933

```

```

<210> 5407
<211> 312

```

<212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (2)...(236)
 <223> similar to gil787326 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5407
 taccggttaag gactgcaacc cgcagcccg taactgcctg aaagatcaat acgtcttacg 60
 ccattgctgc gtggatgata ggtcgggcaa aatgggttat tccgtaaaat ttcttgtttt 120
 aacaaggatg gacacggaaa cggcctcatt attccactgc aagccttggt atagcaagat 180
 gacttttacc atttatcacc cgcttactca cagttttttc acttcttgct ggtgattggt 240
 ttaataacca tcaataaagt gatcacgcag tgaagtaata aggtgcaaaa gttaaataaa 300
 gcatagaaaa at 312

<210> 5408
 <211> 788
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (738)...(133)
 <223> similar to gi2293468 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5408
 tttttttttt ttttaaagggt aagagcactt tattcttatt tgaaccacac tgtattgttg 60
 attaccgagt gtgaaggtag tatgttcaga gtcttgtttt atgcctttgt agctgtgttg 120
 ccagcatttg aaggtaactc ctccacataa gcggcaggaa aatggccttt tttccattc 180
 aaagatccaa accaccatcc ttctttcttt ttctcgtgta taatcacaat gtcacccttt 240
 tccaaattca actcatcatc ttgcctggct tgaagaagaat acaaggcctt gcaaagtctg 300
 ctgctgagct gggctgcacc aggggctgga gttgaagaac ctggattgct ctgcccacca 360
 gaagatgcct tgctcacaat attctctaata ctcttcatta aaaaaggccg agatattttc 420
 acatagctat gagtatgctc cttttccctc cacctgaaga tggaattact acaaggatgg 480
 ctgggttgag gtctttgctc aagttctgct aacattgatg acagtttgta ggagttcgct 540
 tccaaaagggt ctagtttcaa attgtttctca tccattaacg ctgctgtgtc tttctggctc 600
 tttgcatcag agaaggagga ggtgctggag tacgttttaa gcattcggtc caggccttcc 660
 ttgtcttttg aggctttttc aatgtctctc tgcagtctca ataatttttg ttttagtaaa 720
 gactttcgct tctctttatc cattgcactg ttaggatctt cttcaaagta atccgttaac 780
 aggaactc 788

<210> 5409
 <211> 415
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(416)
 <223> n = a,t,c or g

 <220>
 <221> misc_feature
 <222> (2)...(180)
 <223> similar to gil419564 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5409
 ctacagcttat gaaggcctca caagctctgg ctttaacaat ggccctgggct ccagctgtgg 60
 ctttggcagg gcctctggct tcttcagctg taccagctcc tataggggcca tggttgtgag 120
 gaagatcaag acctatgatg ggaagccaat gttcgagctc tctgatgcac tgcccaagtg 180
 aatggctgta gcagcccctc ccaacctccc ctctctgtgg ctgccccaga gcctgtgagg 240
 gatgctgcag tacaggggag catagggaac aggagatcca tctgaggctc atccttacct 300
 ctacagccac ccttgtngga aggttttatt tgcattggagt acccccantt tgccatttgc 360
 ccccaacaaa tttattttgt attttttccc aaaattaaaa ggncttcagt ttagg 415

<210> 5410
 <211> 957
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (958)...(448)
 <223> similar to gil79475 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5410
 ttaagtaaca aatattgaaa aatttcattt gtacagttta tggtttttaa gaaaccatcc 60
 tgaataagct caagttatag ctaccagtta tgaatttata aagtttatcg tgacctttat 120
 tataattaat atttgtatta atcatcacat attattatat ataagatata aatttaatat 180
 aactatctgg taattatacc tatgtttact aacaatttta caactgctgg ctgcagcggt 240
 cgcacgcaca ttcattttatt attacatttc ccattttgca aaatgttttag aggaacttcc 300
 cttccaattt gtcagggtgtg accccatgac ttgcatgtct ctggggacac tctgggaaga 360
 tgtcttcata gataagagct cagataaaca tgagacagaa cagtcccaaa atccctcagc 420
 atgccccagc cctcagggga gttcctactt gtttatgaat ctgtccatat tatagctcgt 480
 tgagtagaga aattccagga tcttcctgca tggatttctg atcagaagag tgggtccagag 540

tgagctgtca	taatacactt	cttcttggcg	cagagctccc	cctttgatga	tctccagggc	600
acattcctcc	tttgagctg	cttgcataatg	gactatccca	gaaactgcct	tcatggctgt	660
ttctgtgtct	atgaggccaa	gaacacagag	agtgattgat	acattgaccc	tggacactga	720
atattccttt	ctgatggagg	agaagaaccc	atccaaagca	aacttgcttg	cagaataggc	780
agcaaccatt	ggataagcca	ctttcccagc	cagagaggag	acgacaacaa	tgcttccatt	840
gctctgcttc	agcatgggca	aggcagctac	agtcaggacc	acgtaactga	ggaagttgac	900
ttccatgctt	ttgcgcacat	ggtgaatatc	atcatgaaaa	agattcaaag	aagtgtt	957

```

<210> 5411
<211> 1316
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1317)...(22)
<223> similar to gi5924316 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5411						
aaaaagacaa	aagcaagtat	ttatgaaagt	ccatcagatt	cctcagtaaa	gctgaagtca	60
cacactagag	acaggtggtc	tgaaggataa	ttgaagggaag	gtaacctgtt	gggtccaatc	120
tgttcttcag	tgagcagatc	gagagctgac	cttacattta	gagcatgttt	agaataccag	180
atgtaatcca	gggtgtgcct	gcactcccct	gaggtccgga	tcttccaggt	agtgtatggg	240
ggttctgact	gcccatacgc	actcagcagc	ttgtaggcgc	tggtcaggtt	gaggctggag	300
gaagcaaagt	gtttgtagac	ctcttctgtt	ggctctgcat	tgaagtcccc	acacacaata	360
aggggaatct	tggtccttg	ggtgatgttt	tgcaggttct	gaaggaggtc	acagccttga	420
gctgatcgaa	accgctccca	gccagtgcgt	gcttttagat	gggtaacagc	gatgcagaac	480
tgtcggcctg	actccttgca	ctccagggtc	tgtgcaatgg	ccacctgggt	ggttttcaat	540
gtcatggctg	tcagcctaata	attggcactg	ttgactagct	tgaatcggtt	ttgaagaaaa	600
aataaggcac	aaccatctgg	tccattgttg	tgttctacat	ctagacaagg	tgaccagggt	660
ttggggaaaa	acgtgccttg	atagcctagt	ctactgagga	gtggctggaa	ggtgtcaaaa	720
tagtggtcca	cctcttgag	gcacaatata	tcaggctggt	aggccaggat	ttcttccagg	780
atgagacatt	tcctttcttc	ccatttgagt	gcttcaacag	ggcactgtac	aaagttgtct	840
ttgccttctc	caagagcttg	ggcgaggatg	ttccattgca	taaccctgat	aggtgggttg	900
gtactagggc	aatctgtcct	cagatccaca	aaatccctct	ggaaccgggg	aggtcggttg	960
tgcaggacgg	ccctgcattc	ctcaagaagc	tctttaggat	caatgggctc	cagatgctct	1020
gggtcaggtg	acaccaaata	ctctgggtgc	tgggaggcag	cgctgctgtt	cagtgtcttg	1080
gcgagaccac	tatagagtct	gcttgtagcg	gttcccattg	aacacactgt	tcgggaacac	1140
gacctcgcg	cgcccagggc	cgccgaggcc	gccgccagca	gccgggggga	tgccgggcctg	1200
ggaacagcag	cggcgggga	caacgggcgg	cgcagccctg	gggcgggcag	gcggcgagcg	1260
ccgggcgcgc	ccctctgcag	cagggccgag	cagagccgcc	gcggactatg	aaacat	1316

```

<210> 5412
<211> 1382
<212> DNA

```

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1231)...(296)

<223> similar to gi3882239 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5412

tttttttttt	ttaaaaatca	ctgtcaattt	tactaggatt	tagaatataa	aacctttaca	60
tctcttttac	aataaagaga	atttagagct	cacttgtcag	gaaaatattt	ttcattatta	120
aaaaaaattg	ttataaagtt	atttcttctg	atatggagtt	tcaaagcatc	taacataacc	180
gcttcagaat	ctccacagtg	caaaaataaa	caacatgcat	acacttaaga	actttacatt	240
ctttgaaaaa	caatacaaat	tggaaagaaa	attagtatgt	gatcaaagag	agtcagagct	300
caagtctgaa	ctttgccaat	aaaggcagat	gatctgaaga	gttattttcg	tttggaagtc	360
cattaacagt	ccataagtct	tgttctgtaa	gaagtgcag	tctagctaga	agtttcaagc	420
caccaaccaa	agcaacttca	gctcctgggt	gccagcaac	atcttccttt	tctgcagagt	480
agaaaatata	atccacagtt	atggcacttc	gggaatgaca	ggtggtcact	tctggaattc	540
cagtgtcagg	aaagtaatgt	gaataaacag	atgacaaact	gaaatggtgc	tgtaaatttg	600
aagacaattt	ttcagctgtc	actaggacct	ctgtttgctt	cagctgtggt	tgtgtcagat	660
cactgtctgt	cttttctact	tttggtacct	gctgtacctc	atacacacag	ttctgtgaga	720
tacctagggt	tgggggccaa	attggaatag	ataaaattct	ttgtccccgt	gaagactggt	780
cctggccaga	tacctttcct	atgggaagtc	cttcataatt	caattttcct	tcctttatga	840
aactatatag	tggagaacca	ggaacagaat	taaagtcacc	acacataaca	atagggcaga	900
agctgccatc	tttctggtgg	gcaacactgg	aatctctctg	cagtagcatt	gccaattgcg	960
tcagcttaat	atcacctcgc	cttggattat	acaacagatg	cgtatttgct	acgcagattg	1020
cagggcaggc	agcatatgga	attttgggct	gtaagagtaa	aactaatcca	acattgtctc	1080
tgtccaacag	agaaatatca	gggcggaaga	attccactgg	gttcaactgac	aagagtga	1140
atttggaatg	tttgaagcaa	atagcacagc	catcaggttt	ccttcctgtc	cgcattcttat	1200
attcacagtg	ataacctaca	agaaacaaat	gaatttaaaa	caaagtactg	cttttatata	1260
tttatcaaaa	cacagctcac	gtgatacttc	tgaacaatgt	ttaccaaaact	gtattctgca	1320
aaacattagt	aatgtaggat	gtcaataaac	attggaataa	aaaacgtttg	acactgggtc	1380
ta						1382

<210> 5413

<211> 3450

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3451)...(1345)

<223> similar to gi899298 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5413

caggggtggtg	aactaaaaaa	gctggttcct	gtgaaccttg	ggaaatggtc	tcaccctct	60
-------------	------------	------------	------------	------------	-----------	----

gagccctgga	gatgacctga	tggggcagct	aggaggtcca	aatggaagga	ctgcaaataa	120
aaggcactgg	gaactctcag	gggccacaca	catgtgagat	cttcccaata	aaatcagcct	180
tagctttaaa	accaggaat	tgtagcaac	aggctctcac	cttcctccaa	caccacagc	240
attgcctatc	tccctgtgat	agcttgattc	taaagataac	agcctgcctt	tactcagaaa	300
ccaggactgt	gacgtgtttt	gcacacattc	tcttttctact	ttcacagtgt	gtgactatgg	360
catgcaactt	atgttctctg	tgcctcagtt	tactcaagtg	ttaaacagga	atactcacat	420
gaggattaca	tgagttaaaa	tggataaaaat	ggataaaagt	agagagtaaa	ttattttaaac	480
tttatcaaat	ccttggtaca	tgaccttaat	acaattaagt	atttgttaaa	tacatacatt	540
ttaaagaaac	gtcatcatat	ccacacacct	atgaggcacc	tgcccaggac	cacagagcca	600
atcaatcagg	tgatgagtga	ttccaggcca	gcaggaaacc	accgccact	gacacagggg	660
ctgcaccatc	catccttggg	ttgcatgggt	cctgccatgc	ttcctgtatt	actgtttaat	720
acatggggca	ggcctttgga	ggatcccaat	gttttaaaag	ggcaatacga	atatgattct	780
aatacacaaa	aagtatgagg	gcagcaagaa	tttagttaca	aaaccacaaa	atcctcaaag	840
agaagccaca	tagcactgtg	cagtgttacc	actgcctcga	ctctggacag	ggcacaggtg	900
accgagacaa	gtcttatttta	actgatttca	caagaagggt	ccgagtttta	ttagacaacc	960
catgtcaagg	tacaaaatga	ttaatgacaa	tatcagccat	attctatttag	ccaagtgcc	1020
cctgtcacta	tgaactatc	ctgtaggaca	tccctgggct	ctcagttgct	aatgggctgc	1080
tgaagaaatg	aatgtcctca	aatcgagacc	ctaacacaaa	gagattccag	agagtggctt	1140
agaaaaccca	gctactctta	ccaatgtggg	gaaagggcca	ggggaatgaa	cctctgcagg	1200
acaatttgaa	ttcccaaact	gagtaagagc	gaaacaaata	tgcaggcaag	gcaaagcctc	1260
aggggggctc	ctgggtctgg	ggcagggggg	gggagacagg	agaggcaaaa	tggcagggac	1320
ttgacagcag	gttcctcttg	tctacttctt	cctcccgcct	ctctccttga	gggccaggtg	1380
gatgactgcg	ccattggcca	tgttgtagta	agccagttag	ttggaatctt	tgatgaagat	1440
accctcatac	tgtagcttct	gtttccctgc	aggcatgcct	gtggcttcat	gaatcttcac	1500
cttaatgaca	gagacctggt	ccgtgagtgg	gagggtgagg	accagcacct	gccatttcag	1560
tttccattcc	tgtctatcct	gcattgtggg	cacctggact	ttgatggaca	ctggaccctt	1620
gtttctgcgc	aggaactcct	cctctggcat	gaggtgtctc	tctgtcttca	gttttttggg	1680
ggtgggctca	tcttccatgg	gaggtggggg	atgcacaggg	ggcattgggg	ctggagctgg	1740
gacaggtgcc	acaggtggag	caggcacaaa	ggctgttggc	acaatcatgg	ggggtgggcg	1800
ggggggcata	ataggagggg	ccgagggagg	catgggcacc	acgttgattc	tgggcgcgtg	1860
gatgatgggc	ggcatggggg	cgatcactga	gcctgggggc	agccggacca	cagatgccat	1920
tgggggccgg	ggcatgacgg	gtactgcgga	gacaaactgt	gtacgaactg	gaggtggcat	1980
tgtgggtggt	cggggcactg	aagtgatggg	tggagccgag	ctggggatgt	tgggtggctga	2040
agatggtggc	ggtggctggt	gagggatttc	attgggcttg	ctggggccaa	tcttctcttt	2100
agtgtcatcc	tctggcacca	ggcctttggc	cttgtgaatg	gcctcaatct	gctcctggag	2160
ggtgatgttg	gcctgggcag	cctgctgggt	ccgggccatg	ctgcctgagt	ggccatccca	2220
ggtcaccttt	tctctgggt	tctggatctc	ctcctcaccg	atcttcttac	caatggctgt	2280
ttctctaca	ccgaagatgt	cagtacgccg	ctcagccaac	tgcttcaagc	tgctctcaat	2340
atccagacct	ggtgcgtaca	cctcatcatc	gctctgcttc	tcacggatgg	agcgatcccg	2400
ctgtccagct	cagcgcaggg	caagaagtc	aatgcgcatg	tgttcctgca	ttttgctggc	2460
ggggatcttc	tccccagtaa	tgggggacac	aagatactca	cttggagcag	ggggtggagg	2520
caagggcttg	gaggtcttgg	gatacataatc	cttgcggaca	atgacttggt	ctggagtgtg	2580
gggcagaggt	ggaggcatgg	gtgtctctgg	gggtgggggc	actttctgcc	cttcttcttc	2640
atcatctgaa	ccctcatcca	tatcttgtac	ttgggtgtcc	tgggtccagct	gggaaggagg	2700
ctcctccgcc	ttctcctggt	tgtcatcctc	ctcatcagac	tcgacctcca	tctcaacttc	2760
ctcactctcc	ccaaactttt	catagcgctc	ctgaatgagg	attcgggcc	ccagctcctc	2820
tggcgtgggt	gggggagggg	agttcccttg	ctcattgggt	tggaaagtcca	ctgtttccac	2880
caccacaaaa	tcatgccagt	cgatctgagc	ataggccacc	cgctccttct	ccttctcctc	2940
ttcttccttc	ttcctctcac	gttccctgga	tttggcccat	tccactcggt	aacacacctg	3000
atccaaaact	tctcgggggt	tttcagcctc	tttcttgagc	tttgaaaata	aacctttggg	3060
tggaatcaag	atcttggtgt	actgttccac	tagcttctgt	aagtagttga	agaggctgtg	3120
ctgtgggcgg	agaaagtcaa	actggtagtt	gcgctgctct	ttctgcatca	gctgggtcag	3180
aaactggcgc	ccattccttg	ccacaaaattg	agccgtcagc	ttcaccacat	ccaagtcgaa	3240
ggctgagata	gagggaggat	cagcaatgaa	ctcaaactca	ggaggaggct	ctttgggcac	3300
gatggtctct	tggattactt	gggcttggac	cttctggggc	agctgctgct	gggtggtctg	3360
ctgctgctgc	tgcattgacct	tggggatggc	ggcggacggc	tctgagcct	tcccttctct	3420
gaactcgctg	accttgtggc	ggtagtggc				3480

<210> 5414
 <211> 1927
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (6)...(1753)
 <223> similar to gil230668 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5414
 ggcacgaggt ggacatggcg tgcggccttc gccgcgctat tgcttgccag ctttccagag 60
 tggtgaatct tccaccagaa aacttgatca catcaatatc tgcagttcca atttccaaa 120
 aagaagaagt agctgatttt cagctttctg tggattcttt attggaaaaa gacaatgacc 180
 attcaagacc agatattcaa gttcaagcca agagactagc agagaagcta agatgtgata 240
 cagtgggtgag tgaaatcagt actggtcaaa ggactgtaaa tttcaaaata aacagagagc 300
 tcttaacaaa gacagtgtca caacaagtaa ttgaagatgg ctcaaaatat ggattaaaaa 360
 gtgaactttt ctctggactt ccccaagaaga agattgtggg tgaattcagt tcacctaata 420
 ttgccaaaaa atttcatgtt ggacatttgc gttctacat cataggaaat tttatagcaa 480
 atctcaaaga agcttttagga catcaagtaa taagaataaa ttaccttggc gattggggca 540
 tgcagtttgg tcttctgga actggcttcc agctgtttgg ctatgaggaa aaactgcagt 600
 ccaatcctct acagcatctc tttgaagtgt atgtacaagt taataaagaa gcagcagatg 660
 ataaaagtgt agcaaaagca gcacaggagt tcttccaacg attggaactg ggcgatgtgc 720
 aagcactttc actgtggcaa aaatttcggg acttgagcat tgaagagtac attcgggttt 780
 acaagcgtct gggagtatat tttgatgaat attcaggaga atcattttat cgtgaaaaat 840
 ctcaagaggt cttaaagttg ctggagagta aaggactcct actgaaaaca ataaaaggaa 900
 cggctgtagt agatctctct gggaatggcg acccctcctc aatttgtact gtaatgcgaa 960
 gtgatgggac ttctctctat gcaaccagag atcttgcagc tgctatagat cgaatggaca 1020
 agtataattt tgatacaatg atatatgtga cagataaagg acaaaaaaag cattttcagc 1080
 aagtattcca aatgctgaag atcatgggat atgactgggc agaaagggtgc cagcacgtgc 1140
 cctttggagt agtacaggga atgaagactc gaagaggaga tgtcactttc ctggaagatg 1200
 ttttaaatga gattcaatta aggatgctac agaacatggc ttcaattaag acaactaaag 1260
 aactcaagaa cccacaagag actgcagaga gggtcgggct cgcagcactc attattcagg 1320
 acttcaaagg tttactctta tctgactaca agttcagctg ggatcgtgtt ttccagagtc 1380
 gcggggacac aggagtcttc ctacagtaca cacacgcccg cctccacagt ttggaagaga 1440
 cttttggatg tgggtacctg aatgacttca aactgcttg tttacaagag ccacagtctg 1500
 tttcaattct tcagcatctt ctcaggttcg acgaggtgct ttataaatca tctcaggact 1560
 ttcaaccag gcataatcgtc agttaccttc taactttaag tcatcttgca gctgtggcac 1620
 acaaaacact ccaataaaaa gatagtcctc ctgaagtggc tggggccaga cttcatcttt 1680
 tcaaaagctgt ccgttctgtc ctagccaatg gaatagaact tcttggata acacctgtat 1740
 gtaggatgta atttccatta aaatggcttt taaaatgtca aaaaaaaa aaaggggggg 1800
 ccctttttaa agaatacaat tttactgccg ggggcgggga gagtaatat ttttttatgg 1860
 ggccaccaaa ttaaaattgg ggggcggggt taaaacggc ggggagggaa aaaccctg 1920
 ttttccc 1927

<210> 5415
 <211> 2725
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (3)...(109)
 <223> similar to gil469866 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5415

tgaaatctct	agaggaagaa	cagagagccc	gcaaagacct	ggagaagctg	gtgaggaaaag	60
tcttgaagaa	catgaatgat	cctgcctggg	atgagaccaa	tctataaggg	acgtcctcag	120
ttctttctgt	tgaagaccag	ttctgagggt	aagctgggca	cccctgaccc	aagtcgggggt	180
gcactcagga	ccacagggca	gggctgggtg	gggcgccacc	ttgctctctg	tatatagaaa	240
agctggagct	tattctgcga	atggagacga	tcaaaccatg	actgatgaat	ccagacagga	300
gggattgact	ctgaggacct	gagctacatc	aatccactct	gtgaacatct	cagttacctc	360
attctgcaat	aagttcagtg	actgactaaa	agtcttggtt	ttccagactt	tgaattgaat	420
atataaatat	tatatataca	tgtttcttgt	aaatatccca	ttttgaatgc	atacctgtgg	480
tggttctgtc	cgggctaata	cccatgctag	aatgtccttt	ccagctacgt	gaataagaag	540
tcccatgccc	gcatccaccg	gaagcagaag	cctgggtgat	gcctgggttcg	ttccgcagca	600
ccagggcctc	caccgtgctg	tggcagcacc	ccccatgtcg	gtattttctaa	ataaccttat	660
ttatacctgc	agagatacac	ttcagtccca	ttcagaagtc	ttctcttaaa	gcagcattac	720
agtcccagac	ctgcggggtt	ctgagggcag	cttgctggct	gacagactca	gtcttgacct	780
caaggaaggc	ccatacggca	ctgccgcac	cacctagagg	tgtttgctct	tgtccgctgt	840
ctgagtactg	tgattctcag	atgagtttgc	tgcgttttgg	gaggacacag	acggttctgt	900
ataggctagt	tcagtaacaa	caaaatacac	tgttttgtct	tcctcaaag	agagatctta	960
ctagaacctg	taaatagaat	gtattattta	ttataagtca	ctgcagctga	tgaaaacaga	1020
tggaggccat	gctgcaggct	gatactgatg	ggtggagttt	tgtcatcagg	ccagcctcat	1080
cccgaggtct	cctccaccat	tggccgtagc	cagcaggctt	cagtgtctac	cgaaagtaaa	1140
atcccctcct	tcagcaagaa	taaagcaata	tacaccttag	gttccactaa	gtaacatagg	1200
cataagcagg	gaacgtttcc	cccactgtgt	tccagtgcag	aggagacgaa	gcctgtcctc	1260
accgcggctc	gctgggccc	ggctggctct	ggaaagcctg	tgcggtcctg	ggcaggaagc	1320
ccggcccgtg	gagcagggtt	tcgttctgct	tcagcaataa	ataaggtga	ccacagggac	1380
tttgcttttg	gtttcctttc	ctgtgaaaag	gttggtttta	aagtgaagata	cacttttccg	1440
tagaacaagt	gttctatctt	taaaaaccca	aattgcagca	ccgtggatta	ctggtctcag	1500
aacaactcat	tgcgcacacg	atgtgactct	ctgattttct	gtctattggc	caaattgccc	1560
tttaactgca	cctgaatcct	ttgtgtactg	atgcctttga	gctgggcacc	ttgggagagt	1620
gttgtgttgc	tgtttacggg	tcttccttgc	ccttgctaat	tacagtctct	ggtgcccagc	1680
aagccccttt	ggcttccttc	cgtgactggt	cacgttgtct	gcctgggctc	agcgtggacc	1740
tgccccatgc	tgcagaacct	ggcctcacct	ggacttttca	ctagaattgc	cagcttcctc	1800
aacttagcag	atcattcact	catgcgggca	caagcaaaga	tcaacacttt	cttttttggt	1860
aagcttgagt	tttacaagtt	attttttggt	gatgcgtaag	acattgcagt	gggaaaccat	1920
tcaacttgag	tttattggag	tttgctgttg	tagcaggttt	taactcagga	acaactcttg	1980
tctgatctct	ccgccccctc	gccgggaggc	gacattaa	gtcctctcgg	agccggttagc	2040
gttgctgtcc	gagtccccag	gacggatctc	ctgcagacct	gccttaatgc	tcagatcgaa	2100
gtatttcaca	agaatacttg	tgtttttaac	agcccttccc	ctggacggtg	cggccatgag	2160
ggcctcatgt	tacggcattg	ccttttcttt	ctgtggatcc	agtatcttcc	tcggcttttt	2220
agggagcagg	aaaaatgcgt	ctgagagcaa	ctctttttta	aaacctgccc	tgttgatat	2280
aactgtgtct	gtttcacctg	gtgacctccc	aagggggtgg	gaacttgata	taaacgttta	2340
aaggggccac	gatttgcccg	agggttactc	ctttgctctc	accttgatat	gatgaggaga	2400
tgaagccatt	tcttatcctg	tagatgtgaa	gcactttcag	ttttcagcga	tgttggaatg	2460

tagcatcaga	agctcgttcc	ttcacactca	gtggcgtctg	tgcttgtcca	catgcactgg	2520
gcgtctggga	ccttgaatgc	ctgccctggg	tgtgtggact	ccttaatgcc	aatcatttct	2580
tcacttctct	gggacaccca	gggcgcctgt	tgacaagtgt	ggagaaactc	ctaattttaa	2640
tgtcacagac	aatgtcctag	tgttgactac	tacaatgttg	atgctacact	gttgtaatta	2700
ttaaactgat	tatttttctt	atgtc				2725

```

<210> 5416
<211> 414
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (416)...(161)
<223> similar to gi2257540 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5416						
cccacgcgtc	cgggactatc	tttgagttca	tcttgttctg	aatgtgagtc	tgagtctttg	60
tttccagatg	acacagtgtc	gtctgagtc	tctgaatcac	ctgcctcaga	actgcagcaa	120
agtttctgct	gcccagaaac	tgaatgggct	gcttgtaatg	cagattcttc	ctcctggaca	180
agaagtgtctg	ctgcttctag	ttcttccagt	tctaacccca	actgggcctt	tgtaagggag	240
acttccttta	aggcttctgc	aagagctgcc	aacgttttgg	atttgacttt	ctgagtccac	300
acacagtagt	atgagatgta	gagatcattc	agtatgtatg	cctgggtcgt	ttcctgaaaa	360
attttgtgaa	tatccaggag	acacttttaa	actgcacttt	tacttaattg	cagg	414

```

<210> 5417
<211> 896
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (4)...(435)
<223> similar to gi5262621 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5417						
accgggtcga	cccacgcgtc	cgcagtctcg	ccggcctccg	tgccggggca	gcgcgcgttg	60
gcatcacgta	acggggacct	gaatttacag	gtggcgcccc	cgccgcctag	cgcccacccg	120
ggcatggacc	aagtgcaccc	ccaaaacatt	ccggattccc	ccatggccaa	cagcggaccc	180
ctctgctgca	ccatttgcca	cgaacgtttg	gaggatacgc	atttcgttca	gtgcccttcc	240
gtccccagcc	acaaattttg	cttcccttgc	tctagagaga	gtatcaaggc	ccagggggcc	300

accggcgagg	tgtattgccc	cagcggagag	aaatgcccc	tagtcgggtc	gaatgtacct	360
tgggccttca	tgcagggcga	aatcgcgact	atcttagctg	gggatgttaa	agtgaaaaag	420
gagagagacc	cttgaaccac	tgggcagcca	cctcctttgc	cctagaccag	ctcctctcca	480
atcctgaggg	cccctcccc	aacccaactc	gaccctccct	cccctcacc	ccaaggtgta	540
gaattgtgaa	tataacgaaa	ctgcaaaaag	ttagtcttat	gtatagacat	tattttcgtc	600
gtatgtttct	atattttgaa	acaaagggtat	gtaacttctt	catttgaagg	ataagctggt	660
ttgtgttaag	cagtatagta	ttggttgggt	catttgcata	atatcgttag	catttatattg	720
gtggcagaat	gtttgcctag	gtacagaatt	aatagccctt	agcaacgact	gctgctggtg	780
tgtatttttg	taaatgttat	gcactctctg	aaaggaaaaa	cacacacaaa	agaaaaagac	840
tttttttttt	tttttttttt	ttttccaagg	cccagggttg	ctgcctaaaa	aaaaaa	896

<210> 5418

<211> 6398

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (3)...(2354)

<223> similar to gi5081652 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5418

agaccaacaa	attcatcaag	gagctcatca	aggacgggaa	gtcactcata	agcgcgctca	60
agaattttgtc	ttcagcggaag	cggaagtttg	cagattcctt	aaatgaattt	aaatttcagt	120
gcataggaga	tgcagaaaca	gatgatgaga	tgtgtatagc	aagatctttg	caggagtgtg	180
ccactgtcct	caggaatctt	gaagatgaac	ggatacggat	gattgagaat	gccagcgagg	240
tgtctcatcac	tcccttgagg	aagtttcgaa	aggaacagat	cggggctgcc	aaggaagcca	300
aaaagaagta	tgacaaagag	acagaaaagt	attgtggcat	cttagaaaaa	cacttgaatt	360
tgtcttccaa	aaagaaagaa	tctcagcttc	aggaggcaga	cagccaagtg	gacctggtcc	420
ggcagcattt	ctatgaagta	tccctggaat	atgtcttcaa	ggtgcaggaa	gtccaagaga	480
gaaagatggt	tgagtttgtg	gagcctctgc	tggccttcct	gcaaggactc	ttcactttct	540
atcaccatgg	ttacgaactg	gccaaggatt	tcggggactt	caagacacag	ttaaccatta	600
gcatacagaa	cacaagaaat	cgctttgaag	gcactagatc	agaagtggaa	tactgatga	660
aaaagatgaa	ggagaatccc	cttgagcaca	agaccatcag	tccctacacc	atggagggat	720
acctctacgt	gcaggagaaa	cgctcactttg	gaacttcttg	ggtgaagcac	tactgtacat	780
atcaacggga	ttccaaacaa	atcaccatgg	taccatttga	ccaaaagtca	ggaggaaaag	840
ggggagaaga	tgaatcagtt	atcctcaaat	cctgcacacg	gcggaaaaca	gactccattg	900
agaagagggt	ttgctttgat	gtggaagcag	tagacaggcc	aggggttatc	accatgcaag	960
ctttgtcgga	agaggaccgg	aggctctgga	tgggaagccat	ggatggccgg	gaacctgtct	1020
acaactcgaa	caaagacagc	cagagtgaag	ggactgcgca	gttggacagc	attggcttca	1080
gcataatcag	gaaatgcata	catgctgtgg	aaaccagagg	gatcaacgag	caagggtctg	1140
atcgaattgt	gggggtcaac	tccagagtgc	agaagttgct	gagtgtcctg	atggaccca	1200
agactgcttc	tgagacagaa	acagatatct	gtgctgaatg	ggagataaag	accatcacta	1260
gtgctctgaa	gacctaccta	agaatgcttc	caggaccact	catgatgtac	cagtttcaaa	1320
gaagtttcat	caaagcagca	aaactggaga	accaggagtc	tcgggtctct	gaaatccaca	1380
gccttgttca	tcggctccca	gagaaaaatc	ggcagatgtt	acagctgctc	atgaaccact	1440
tggcaaatgt	tgctaacaac	cacaagcaga	atttgatgac	ggtggcaaac	cttgggtgtg	1500
tgtttggacc	cactctgctg	aggcctcagg	aagaaacagt	agcagccatc	atggacatca	1560
aatttcagaa	cattgtcatt	gagatcctaa	tagaaaacca	cgaaaagata	tttaacaccg	1620

tgcccgatat	gcctctcacc	aatgcccagc	tgcacctgtc	tcggaagaag	agcagtgact	1680
ccaagcccc	gtcctgcagc	gagaggcccc	tgacgctctt	ccacaccgtt	cagtcaacag	1740
agaaacagga	acaaaggaac	agcatcatca	actccagttt	ggaatctgtc	tcatcaaatc	1800
caaacagcat	ccttaattcc	agcagcagct	tacagcccaa	catgaactcc	agtgaccag	1860
acctggctgt	ggtcaaacc	acccggccca	actcactccc	cccgaatcca	agcccaactt	1920
cacccctctc	gccatcttgg	cccatgttct	cggcgccatc	cagccctatg	cccacctcat	1980
ccacgtccag	cgactcatcc	cccgtcaggt	ctgttgcaag	gtttgtttgg	ttttctgttg	2040
ctgccgttgt	tctctcattg	gctcggctct	ctcttcatgc	agtgttcagc	ctcctcgtca	2100
actttgttcc	ctgccatcca	aacctgcact	tgttttttga	caggccagaa	gaagcggtag	2160
atgaagactc	cagcacaccg	ttccggaagg	caaaagcctt	gtatgcctgc	aaagctgaac	2220
atgactcaga	actttcgttc	acagcaggca	cggctcttga	taatgttcac	ccatctcagg	2280
agcctggctg	gttggaaggg	actctgaacg	gaaagactgg	cctcatccct	gagaattacg	2340
tggagttcct	ggtcagctgg	gccccagcag	aactgctgag	ctttacatgg	tatccatgac	2400
aactgctgat	tccagtgtcg	aggccatttc	tctttgccac	tgagaaatgc	agcgtgactg	2460
actctgttgc	tacctgtcaa	catgaatggt	tctgtgagct	ctggtgtcac	tcatctccat	2520
gatcatctca	gccaacatgc	atcagtactg	caagaaaaga	agtcaatcag	cagaggagag	2580
catttgataa	ctaagaggaa	gacttgcaaa	gccgttttct	catgagtacc	ctgaataggg	2640
ggcactcatt	ttgtttcaac	ggtccaaacg	cccaaccttc	agaaagagga	agtcagatag	2700
aaatagtccc	tgagagcaca	ctgtgtaggc	taagcctgct	ggggctgggt	gaagaaattg	2760
gcgctgagat	ccaggctgga	tccattgctt	ttgtttacaa	taggcactct	ctctacccca	2820
cctctcagta	cttgagactt	aaagtgtac	aggcagctgg	atctgtttgc	atgcaggatg	2880
aagaggggta	aaacactggt	tatataagat	ccaatctctc	accatctcta	aagcagccgt	2940
tggcctgtca	tcagtgagat	acaatccagt	cttctcatgc	acgggaacac	acacaccctg	3000
cgtttctccc	tcccaggcta	ggaacctctc	tgccaccaag	ggctgccatc	catcgcctag	3060
taaccacggc	aacccaacct	actctaaaac	caaaccaaaa	aaataaaaata	acacatcctc	3120
tttgcattgac	acattttttt	tctccctttt	ttggtacact	ttttttgaat	ggtttttctaa	3180
caacttgaag	cacaggatca	aggaattagg	gtggtctact	tgaggcagat	gggatagtag	3240
ctgggaacctg	ttccctttct	gattaatttc	agcagcatcg	gaatatattt	ggagcacacc	3300
ctagtaacct	cttgagatta	aattacatag	tcttaataatt	tctgttcctc	catgcaactg	3360
atgtttgttt	tttaaagggt	aagatgctgc	ctcccaatgg	gtgatgccat	ctgactgggt	3420
tcccatgtgc	ctcccatcca	cccatctctg	ctccacacct	tgctgcctc	taaccacca	3480
ctggccagcc	cccttgccct	actctgggct	gctgaacact	ggtgctgtgg	tggttttcaa	3540
ggttaattcc	taggctaacc	gtatggccta	tagtttaaaa	gcacatctat	gttactgcc	3600
actctgaaaa	agggaattat	ttctcagctc	ttcaaggctt	gagactaata	taggccattg	3660
tgattcagga	aagaaacccc	aagggttgag	ggtgggatga	gtacccctcc	tgaaaaaggg	3720
aatttgctgg	tgaaaagagg	ctggatcttg	tgggaagactg	tcttggtagg	ggaagtacta	3780
cctggagatt	tcaaattcac	ttggcctgca	aacaacagag	ttatccgtat	cttccacatg	3840
tgaatgtcat	tgcaagggtg	actctagaca	aactacaaac	cgatggaccg	tcaagctccc	3900
caggagcccc	ttggatggca	gcgttgcttc	agagtgtttc	ctgtttctgg	aattccttgt	3960
tagggaactt	taaagaagaa	aagaaaaact	tgaattgtgt	tgaattactg	tatcttttac	4020
tttttttttt	ttgaaaagat	aaacttgtca	atagagtgat	ttgaaatact	atatggcaaa	4080
gttttatatt	tgatattctt	taagttagtt	gctcacacac	ttaggctttg	attgctgaag	4140
aagtatgttt	aagagggaga	gaggggaggc	aaagctgaag	agagtcaagg	tactgtccc	4200
cgcttcggcc	tgaaggaaaag	agaagacatt	tctatggcct	tgctctctgc	tgtcctgttg	4260
gtgggcacga	cacatcagtg	gtgttcagtc	tttatgtgtt	tttaagcatc	ccttgggctt	4320
tggatttggg	gatgggaaga	gcatctccag	gcaatgagtt	tttcaaagaa	tgccacttta	4380
gtagtaagat	gaagctcagg	atttaaaata	gtggggtcag	gcattcgagt	ttttgtcttt	4440
cttctcaggg	gtatttcttg	gtacccccaa	gatatacagg	cagaaagaga	tgagttagtt	4500
gctgtgctct	ttacttcttt	ttctccacat	cttctgaggc	tttagaaatg	tggacaagct	4560
agttttcaaa	ttttgtgtgc	gtctgtgaagt	tcttaaagaa	ccagcttctt	agaatgttca	4620
gttctcaatg	tgctgtgctc	ttcccttctc	ctaaacattt	taaaactctt	ccctttcacc	4680
tccaattccc	gtgatcccaa	aagaagagga	agactccagg	aggggtatag	attgtgccgt	4740
catagcttta	caggtggttt	taaagttagc	aggggtttgt	catggtgatt	cactactcag	4800
tttatcagct	caaggattat	acagctcttt	tccgggaact	caccagggag	caagcgagac	4860
actaccattg	aatcagggaa	tgagaattaa	gaatggacag	gaccaagaca	gaactcaaga	4920
aagccactgg	ggaaaactcg	agaagaaaag	gagtatacta	gtagggttaga	tctgtgaacc	4980
tgaggacaag	aagaccttgg	gaaatggagg	cctcagggga	tgtgcattca	catactatta	5040

cgccttctcaa	agagagacca	acatcatgct	tttaacacat	ttgatgaggt	tttttatttg	5100
tgttttttgtt	tgttttttga	gatggagct	cactctgtgg	cccaggtctg	agtgcagtg	5160
cgcgatcttg	gctcactgca	acctccgcct	cccgggttca	ggtgattctc	ctgtctcagc	5220
ctcccaagta	gctgggacta	cgggcatgag	ccatcacacc	cggctggttt	tttgtgtttt	5280
tggtaaagat	ggggttttgc	catgtttgcc	gggctgatct	cgaactcctg	acctcaagt	5340
atctgcccac	ttcggacccc	caaagtgtcg	ggattccagg	tgtgagccgc	tgcggccgac	5400
cacatttgat	gtttgaagtt	gtaatctgtc	ccatcataaa	cttacctgga	gctcatgtgg	5460
aggaacagaa	ggccaagatc	cttgctttgg	gggtgcctca	cgaagcatcc	ctgtagacac	5520
ttggccccag	cttactgtct	tggaaagcatg	tccctccctc	ttgagttggc	tctgatttga	5580
aatcgggaga	aacagagctg	ctgccaatgg	gatcttttag	gtaactccct	ccctagcttc	5640
cgtgtgtctg	tgcaagtccc	atgagctgct	gccaatggga	tctttcaggt	acccctctcc	5700
cagcttccct	gtggctgtgc	ggtgcccttg	acagatggct	tctctgtttc	cctttgccca	5760
gccaggctcc	cctccttcc	attagctaca	aaactggata	aacttcagaa	tatgagccaa	5820
tgagtaggaa	ggaacttgaa	gactaaagat	ttactctct	cccctatcca	tgccccctac	5880
ctctgactct	ctctgtgtga	acaggaaaact	ttagggtaga	tgaggagaat	gaattggtta	5940
tcagagtgga	agaccatggc	ccaggatccc	tgagctttcc	cagtagcctc	cagtttccct	6000
tgtaagacct	agggatcact	tagccatagc	ctgaatcttt	taggggtatt	aaggtcagcc	6060
tctcactctt	ccttcaggtt	actaacaata	tttcgtagct	aaagaatgcc	atggccgggt	6120
gcagtggctc	acgcctataa	tcccagcact	ttgggaggcc	gaggcgggcg	gatcacgagg	6180
tcaggagatt	gagaccatcc	tggctacgac	ggtgaaaccc	cgtctctact	ggaaatgcaa	6240
aaaatttagc	gggtgtggtg	gcggcgcct	gtagtccag	ctgctctgga	ggctgaggca	6300
ggagaatggc	atgagcccgg	gaggcgagga	ttgcggtgag	ccaagatcgc	gcccctgcac	6360
tccagcctgg	gtgacagagc	cagactccgt	ctcaaagg			6398

<210> 5419

<212> DNA

 $\langle 220 \rangle$

<221> misc feature

$$\langle 222 \rangle \quad (70) \dots (710)$$

```
<223> similar to gi2914017 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 5419

```

ggaccatggt gtgatagatc ccatttcaaa tgattccata tgattgtcag tgtgtgtgtc 900
agactgtgat cgatttcact agatgtctca ctcatcagac caggccattg ggcctaag 958

```

```

<210> 5420
<211> 1087
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1078)...(630)
<223> similar to gil213535 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5420
tttttttttt ttcaagatgc aaaaaacttt ttttttttga ttacatggcc tcagatagtt 60
tcaatcaata ccatcaacaa cgaattttat gaaacacggt tgtctttcct gtctacatag 120
atgccacagt agccctagtg tttaagtgtt gcctctcaaa cttgtcctct ttccagcatt 180
ctcctctctc aacctgccac tcttgaaaac tcaactttct tttgcatttt gttctacatg 240
tgaaaaatat ggaactcaag taagacccaa ggtagatccc aagggttca gaaataccct 300
gtcaagggca cagaatggtt agcaatagag tccctattta aggtcaatca tcgttaataa 360
catgaatctt aaattctaac attacttact taacagtccc taaattctaa tattcctaac 420
ttcacaaaac aaacttttct aaaacttctt accagtaaag gatatagctc acattaatat 480
actctaagat aaccttaaga attcttcatt gccttgtaat tcctgccaag tgttttcatc 540
acatcccca aaggtaatcct agccatctcc tgcataatth ttctataata cttctgcaca 600
tacacagcaa atggtcacac gtggggcaca atacgggtcc catctttctg agttaatggc 660
accatgacca gagaccctt gcatttggca cagatgaagc ggctggtgtc caacgatttg 720
gtgtagcagc caatcctcgt tttgcatcca gtacattcat aatggacctt gtagttaatc 780
ttatagttat ggcaacgggt gaccctgggc agctccgggt gtatcctgtt ggatttctctg 840
gcataatact tccatgcgtc accatgagaa tcatggatac catcaatcag ccaggaggca 900
gcatggcaca tttcatggat caaggtatcc cggattcgggt ctgcagagtc gcagactttc 960
aagccaatct ggatcttggc aaagcgccgc cactttgggt accacatctc accagtgtctg 1020
cataagccag cagttttcac catcttgtaa ttccagccta tgcgtagttt ctctggcagc 1080
tttttat 1087

```

```

<210> 5421
<211> 2372
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (2373)...(1498)
<223> similar to gi3850564 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5421
tttttttttt ttcaagcaca tccacccatg gtggctttat tcagtcacgt cccacgccc 60
acggctccct ccaccaggca gacagagggg aggccacccc actgcaaagg gtcccagcca 120
gtgggcacca acctcaggaa gacgtggtcc ccacctggag cttccctcgg ctgccctggc 180
ccttgagccc gtccctgagga tttgtgcttt gactctgaca gggagcagca ggaagctgcc 240
agcccactgc ctccatgcgg gtccctggag ggcagacggg ggagcggcgc ttcctcagct 300
cccgcggtca ggcccatca gggatggtca cagtccagcc acaggggcga ctctgcccac 360
cagtccccct ggggcagcga ccagatcctg gctggggcag caccgggaca ggccctctct 420
atgggcctaa ggtcaatgca ggtgggggct tgctggggcc aggccaatga acccaccctg 480
aggagccctc actgggcagc agggccagga gggcaccagg gactggccgc agagtccact 540
cggggcaggc gtctgtggct tggaaacctg cctcgccaag gcactggggg gttaaggagc 600
agatccctca gacggccttg ggcagaagc tccctggaga gctggggacc tcgaggagcg 660
tctgggagcc tcacctgtc ccagtggctc ctggcaccac tgggagcgtc agcaccaccc 720
caaagctggg tgctgtgtc gccactaaac agaagggaaa ccgaggcagg ggggcccggc 780
ggcagtggag cattctggca gcgcggggcg accaagtccc gactggcagc ggctggagtt 840
tggttttcag aagcgaaggc tggcgttggc acacagggaa ggctgcccga tgacgtgcct 900
cgactgtgtt acatttactg aaggagagcg gcctcctggg cagccactc aggcacggtg 960
aggctctgtg gcaccaccag ccgcatggca gggcagagag tggcgccgtc ctgcatgccc 1020
cccacagcag accagagtcc cgtcctcacg ctgcacagtg ggtgatgtga gtttcaaac 1080
tacgcctcca gaccgagaaa cctcccagc tgtcagcaag ccgtggcgcc gagctgccgg 1140
gcacctgctg gctgctctcc agtctcaagg agctgggaca gcgggcatgg ggaggagctg 1200
gcctcgagcc caaaggctcg agggagccag gcagggccca ggagcaccgc gcacttcccg 1260
aagccggact ctgtagagga cgagcgtgga gggctcttcg ggtgggggca gccccagctg 1320
tgtgccccga ggccccggga agtggggacg ggccgaggag ggagccagga gcacggcctt 1380
cctcctgggt gtctccaagg ctgggcttcg ccgccgagcc tggttcacgt ggggcccagg 1440
accgcgtctg caggcggctc cagcaggcag cacgggctct cggcagggcc tctgccctag 1500
acgtgctcca tctccgggtc cgggtcgggc tctcctcct cctcctcctc gtcttctctg 1560
tcgtcgtcct cagcgaggc cttgtccagc ggcgccctcc cgtcacgggc cagctcctcc 1620
acgtgcgcca gcatgtcggc catcagcgcc tctccagcc gcttcgcac ctgctgcacc 1680
agctcttctt gcttcatgat gtctcgtcg gtcaccatga aggccttgca caggggctgc 1740
gtggtgttga gccatacgcc ggggttcttc tccacggcgg ccgagagctg tcccgtagt 1800
ggcatggtgc tagtgtgcag ggcgctggcg atggccgaca gcagcgtctc atccgtgcag 1860
ccaggtccca cccctgcag gcccttgggg aggtccatgg tcttgaccag ctctcagca 1920
atgtcgaagg cgttcaggcc gctcagcttc ttctccaga agagctggcg cggctggtec 1980
accgccttct gcgggtcgct cttgaccttg ttgctggggg ggttggtaat cttgggtcacc 2040
ggctgcttga agatggacgc cgtctggcgc acgggcagcg ccgtgttcag gtcgggcttg 2100
cccttgacct ggttgaggga gtcgtagcgc acgcgtggc ggctcttggt catcttgctc 2160
atcagcatct tgcccgctgc gaagtcgaag gtgctcaggt ccatggagcc gccaggtag 2220
cgcgccagct gcggcttgct gcggaacttc tccccgctcg ggctatagta aaagacatcc 2280
ctgtggccgg ccgacagccc cgacctctg ggcacttctt cctctccca gccctgcggg 2340
agcgccgggc actccacct cttccgctcc at 2372

```

```

<210> 5422
<211> 1799
<212> DNA
<213> Homo sapiens

```

```

<220>
<221> misc_feature
<222> (1801)...(1052)

```

<223> similar to gi4972684 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5422

gttaattttg	gttccttaaa	acgccccccc	cctttttttt	ttttttcctt	cctttttttt	60
ttttgcgaga	cagggctctca	ctttgtggct	cagggctggag	tgtactggca	cgttcttagc	120
tactgcagc	cttgaactcc	tgggctcagg	caatcctcct	accttagcct	cctgagtagc	180
taggactaca	ggaatgtgcc	atcatgcctg	gctaattttt	aagttttttg	tagagatggg	240
atctcactat	gttgcccaag	ctggtttcag	attcctgtgc	tcaagggatt	ctgctaactt	300
ggctcccaa	agtgtctgga	ttacaaatgt	gagccactgt	atctggccca	tattcttttt	360
taagaaaaga	tgcagagggtg	ttaaatatta	atatcaaatt	gtccaggcat	ggtgtttatg	420
aaattgtgtg	ccctctgaca	ggcaaccaaa	cacacacgac	ttcatttctt	tattaattcc	480
tgcctcatca	tcttttctca	ttgatgctcc	ttaatgtcaa	aggaatctct	ctctctcaca	540
cacacataag	acaaaaacaa	atatcttgaa	catgcaaaaa	aatagtctac	gcttttgaat	600
agtgtgcact	gttgaatagt	gtgcactggt	ggatagtgtg	cactgttgaa	gtgtgatgtg	660
cctaaggcaa	caggatcttg	ggaaagctct	agatttttgg	cttcgaaata	aaactgcattg	720
ttgaatagca	ggtttttaca	tttattattg	ttgtgtatgt	cctccccctt	ttgcaatact	780
atctacgctg	agttatctat	tgccaaactag	caccaattct	ccaaatcaaa	gtgtgtgagg	840
aaaacacact	cgtgcaatcc	tctttaacag	aagatacacc	aagtaacctg	tctgtctact	900
tctgttaccc	agaaataaaa	gaacttgaag	ggctgcttgg	ctgggagggg	gtcccgggtg	960
gggaagaggc	atcctgccct	cagtcgggaa	tccatggtga	acagctggat	gtcctgtgga	1020
ttccagtaca	gggccgactg	gctgagttgt	agacaagaga	ccagacatag	gggataaaaa	1080
actcctcggg	ctgtctctct	tccacatatt	tgaatttcaa	ttctggaaat	ttcttcagtc	1140
tgtctttggg	cagcgcaacg	acgccttgct	taatgatatt	caggacccgt	tccactgaca	1200
gctcagctcc	agcttgacgc	aaccttgagc	taaagaagga	gatcaccaga	tcaatatatt	1260
gcattatata	ctgaaatgaa	ggatgagttc	gaaattgttc	aaagagatcg	cgtttgtaaa	1320
gcagggcgta	taccaagttt	gggttgtggt	gaagggaatt	tgtcaggcag	gagttgatga	1380
tctctaaccat	cattcgaatc	acttcttcaa	tgacatttag	gtcttgtgca	taatctggta	1440
gaggaacatc	attagaactc	agcgaacctc	tcaaggactg	tgtggcttgt	tccagaactt	1500
tgttgtgttt	tttagacagc	aaagaaaata	aactgatgat	cctctgggca	gcatactgat	1560
ggagagaacg	aaactgtgcc	gacatatttg	ctaaagctgc	caaacaattt	gtgtcaaggt	1620
acttgtctcg	tgtcctagtc	atgttgtatt	gaatggttct	tattaccacc	aggatcagga	1680
gactcccaa	ggagatttca	gttaaaactc	gttctgaata	ccaagtaata	tttttttagta	1740
tcacttcatg	aatggatctg	ttgaagccat	catcttccgt	aaggatcaac	aatattata	1799

<210> 5423

<211> 1255

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (42)...(460)

<223> similar to gi4539001 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5423

cccaagctgc	ccatggggct	tcctacggaa	gttcttaggc	ccgtcaccta	gggctctcct	1020
gttcagcctt	aacagggtca	gcaaatcagg	gcgtggctgg	acgatttcct	tgcctctgag	1080
ggcagacgct	gctaccggag	tgacctggac	gtggccagat	cttctcgcag	gtcacaagaa	1140
gccagtgagc	ccttgccctt	gtttctggaa	gttcttttcc	ttggctggat	ttaccagtg	1200
gttaggttgc	atttctaccc	catccagaac	attcttggaa	gagcacccgg	agctgaagct	1260
gtccctgatg	atgaaggtga	aacgtcagcc	ctggccatgg	ctccgctcag	ggccccggtc	1320
acctccgagt	cactctgttc	cttgactgtc	tttgtgttcc	tgtacctcaa	ggcactgaag	1380
ctggaggact	ctgtccatgc	ccgtgtcacc	ctcgtgtggg	agcctctggg	ctcggcaggt	1440
ccacatttca	tgagctgagg	cgtgggccag	ggccatctgg	aaagggaact	cggcttttcc	1500
agaacgtggt	ggatcatctg	tcgggtgtgt	ggtgaacacg	ttcagttcat	cagggcctac	1560
gctccgggaa	ggggccccc	gctgtggctc	tgccatgccg	ggctgtgttt	gcagctgtcc	1620
gagtctccat	ccacctttag	aaaaccagcc	acttcttttc	ataagcactg	acagggccca	1680
gcccacagcc	acaggtgcga	tcagtgcctc	acgcaggcaa	atgcaactga	acccaggggc	1740
acacgcgcgc	agagtgaaca	gtgagttccc	ccgacagccc	acgacagcca	ggactgcctt	1800
ccccaccccc	ccccaccccc	ggagcacggc	acacagttca	gcctctgagc	tggctcacac	1860
gtgccatccc	caccccggtg	ctccagggaa	ggaggacacg	gacccgacgt	gggaggtcct	1920
caggcagcag	tggcgccctg	tgtcaggtct	gtctggctga	gtcccggcgc	tcccctgcc	1980
tggcctgtgc	cttgcatgga	ggcggcgggt	gcactgaaga	gatagctttc	aaggggccaa	2040
cactttgcac	ttcggctggc	tgtgagtttc	tgctttgtag	gttgtggtca	catttgcagg	2100
ctgcgggcag	tggcacccag	ttgggcctcc	ctttctatgt	ggcataattt	tttatttaaa	2160
caccccaggg	agttacgtgg	taacaagggt	gtccataaag	agggtgtctc	tataactag	2220
aggccccaga	tggccaggcc	ttgggctacg	tctggcttgc	atggtctccc	aagggaatca	2280
gccccatcaa	caaagttcaa	atcggggcag	aggctgcact	tgtgccccca	gatgtttctg	2340
aggagccaga	ctagggctgg	cattgtctgt	gagtgacggc	tgctgccccg	agcgtgtccc	2400
agacatcaca	gcggggctca	gcagttccca	cagcctctgc	ctgccttggc	taagcatgag	2460
ttaagcagca	aaacgtcctt	ccatgtctgt	atggggccgg	caggtcctgt	gtcccttgca	2520
cctggaggag	agcaggctag	aggcacagcg	gccacatggt	gctggctctg	aacgttggtt	2580
ggtggctgga	aaacagccct	gcttctgagg	gccgctcagt	tctgcacacg	aaaccacctc	2640
ctgagggttc	agctctgccc	ccgcccgtgg	ctgcagcctc	tgacgcgaag	caccaggcat	2700
cctttgtgtt	gtcaactccg	tgtaacaggt	aactacagcc	atttacaatt	gactccgttt	2760
ctttttgtag	gtttccctgt	ctgtctgtgt	tagtagaaaa	ataaaatcct	atgaaatctg	2820
aaaaaaaaaa						2880

<210> 5425

<211> 1247

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (3) \dots (704)$

```
<223> similar to gi2645856 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 5425

atttcattaa	agaaaacagc	tttctgccat	ttcaaattga	ccacatcagg	cagatggcgt	60
atcagatctg	ccagtcata	aattttttac	atcataataa	attaacccat	acagatctga	120
agcctgaaaa	tattttgttt	gtgaagtctg	actatgtagt	caaataataat	tctaaaatga	180
aacgtgatga	acgcacactg	aaaaacacag	atatcaaagt	tgttgacttt	ggaagtgcaa	240
cgtatgatga	tgaacatcac	agtactttgg	tgtctaccgc	gcactacaga	gctcccgagg	300

tcatttttggc	tttaggttgg	tctcagcctt	gtgatgtttg	gagcataggt	tgcattctta	360
ttgaatatta	ccttggtttc	acagtctttc	agactcatga	tagtaaagag	cacctggcaa	420
tgatggaacg	aatattagga	cccataccac	aacacatgat	tcagaaaaca	agaaaacgca	480
agtattttca	ccataaccag	ctagattggg	atgaacacag	ttctgctggt	agatatgtta	540
ggagacgctg	caaaccgttg	aaggaattta	tgctttgtca	tgatgaagaa	catgagaaac	600
tgtttgacct	ggttcgaaga	atgttagaat	atgatccaac	tcaaagaatt	accttggatg	660
aagcattgca	gcatcctttc	tttgacttat	taaaaaagaa	atgaaatggg	aatcagtggt	720
cttactatat	acttctctag	aagagattac	ttaagactgt	gtcagtcaac	taaacattct	780
aatatTTTTg	taaacattaa	attattttgt	acagttaagt	gtaaatattg	tatgttttgt	840
atcaatagca	taattaactt	gttaagcaag	tatggtcttg	ataatgcatt	agaaaaatta	900
aaattaattt	ttctttttga	aattaccatt	tttaaatacc	tttgaaatat	cctttgtgtc	960
cagtgataaa	tgtgattgat	cttgcctttt	gtacatggag	gtcacctctg	aagtgatttt	1020
ttttgagtaa	aaaggaaatct	tgactacttt	atattcttaa	aggaatatct	tttatatact	1080
tcaaatttag	aacttaactt	taaaagtttt	tcttctgtaa	ttgttgaacg	ggtgattatt	1140
attaactcta	gataagcagg	tactagaaac	caaaactcaa	aaaatgggta	ctggtagaat	1200
tctattaaca	tttaagggct	ggattctttt	tgattgggcg	acgtcat		1247

```

<210> 5426
<211> 626
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (78)...(599)
<223> similar to gi5304869 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5426						
tcccggtgctg	acccacgcgt	ccgctccttc	tgaaggaagg	agttccagca	actgatgtag	60
tctgtccgga	ctctcgctgt	ggccacgtat	tctgccgttc	ctgtattgct	accagtctaa	120
agaacaacaa	gtggacctgt	ccttattgcc	gggcataatct	tccttcagaa	ggagttccag	180
caactgatgt	agccaaaaga	atgaaatcag	agtataagaa	ctgcgctgag	tgtgacaccc	240
tggtttgcct	cagtgaaatg	agggcacata	ttcggacttg	tcagaagtac	atagataagt	300
atggaccact	acaagaactt	gaggagacag	cagcaagggtg	tgtatgtccc	ttttgtcaga	360
gggaactgta	tgaagacagc	ttgctggatc	attgtattac	tcatcacaga	tcggaacgga	420
ggcctgtgtt	ctgtccactt	tgccgtttta	tacccgatga	gaatccaagc	agcttcagtg	480
gcagtttaaa	aagacatctg	caagtttagtc	acactttgtt	ttatgatgat	ttcatagatt	540
ttaatatata	tgagggaagct	cttatccgaa	gagtccttaga	ccgggcactt	cttgaatatg	600
tgaatcactc	gaacaccaca	taattt				626

```

<210> 5427
<211> 519
<212> DNA
<213> Homo sapiens

```

<220>
 <221> misc_feature
 <222> (3)...(453)
 <223> similar to gi5712195 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5427

gcttaagcgc	tgcccagaag	gccaaaggtga	agcactcggc	catcgcggtg	gttgtcatct	60
tcctagtctg	cttcgccccg	taccacctgg	ttctcctcgt	caaagccgct	gccttttctt	120
actacagag	agacaggaac	gccatgtg	gcttgaggga	aaggctgtac	acagcctctg	180
tggtgtttct	gtgcctgtcc	acggtgaacg	gcgtggctga	ccccattatc	tacgtgctgg	240
ccacggacca	ttcccgccaa	gaagtgtcca	gaatccataa	ggggtggaaa	gagtgggtcca	300
tgaagacaga	cgtcaccagg	ctcaccacaca	gcaggagacac	cgaggagctg	cagtcgccccg	360
tggcccttgc	agaccactac	accttctcca	ggcccgtgca	cccaccagg	tcacatgcc	420
ctgcaaagag	gctgattgag	gagtcctgct	gagcccactg	tgtggcagg	ggatggcagg	480
ttgggggtcc	tggggccagc	aatgtggatc	ctgtgcact			519

<210> 5428
 <211> 1566
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (3)...(690)
 <223> similar to gi3947712 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5428

aagaattcag	ggaaaagcaa	aaactacaac	gaaaaaagac	agagctcata	atggatgcta	60
tccataaaca	aaagagctta	caattcaaga	aaacatgga	tgcaaagaag	aactatgagc	120
agaaatgccg	ggacaaagat	gaggcagaac	aggccgtcag	ccggagtgcc	aacctggtga	180
acccgaagca	acaagaaaag	ctttttgtga	aactggcaac	ttcaaagacc	gcagtagagg	240
actcagacaa	agcatacatg	ctgcacatcg	gcaccctgga	taagggtccga	gaagagtggc	300
agagttagca	catcaaggcc	tgcgaggcat	ttgaggctca	agaatgtgaa	cgaataaact	360
tcttccggaa	tgcatgtgg	ttacatgtga	atcagctgtc	acaacaatgt	gtcaccagt	420
atgaaatgta	cgaacaagtc	cgaaagagtt	tagaaatgtg	cagcattcag	agggacattg	480
aatactttgt	gaatcaacgc	aaaactggac	agattccacc	agcaccatc	atgtatgaga	540
atttctactc	ctcccagaag	aatgcagtc	cagcaggaaa	ggctacaggg	cctaacttgg	600
caaggagagg	acccctccca	attcctaaaa	gctcaccaga	tgatcccaat	tactctttgg	660
ttgatgacta	cagtttgtc	tatcagtaaa	atcaatgaaa	ccagagcttt	ttccggctag	720
tgcttctgtg	atatggaaag	ggcaccacga	gcagcaggac	ctatagccac	gttatgtcag	780
caatgaagac	tttgaagtga	acccttgcta	taatttttta	gagatttaaa	atttatggta	840
gacatttagg	acaacataag	caagtagagt	tctgcagttt	tttgaagttt	acaaattgcc	900
ccattctgaa	gaattattat	ttcccagtta	ctcaggttat	gaatgaatta	ggttttcaac	960
atgggaagca	tgaaatccac	ttctggattt	ggagcatcca	cttgaggagc	agaggtggca	1020
gcagaggatt	ctgagccacc	aactgcagta	gtggctcctt	tggctttggg	cagcctggct	1080

gtggagtttc	cacggcgaca	cacagcctca	gtgggtgcaag	attttaaatt	accttccttt	1140
ttggctggaa	gacttagaag	ccgcctgatc	atactttctc	attttacaga	tgaggaaata	1200
aagcctacaa	gtgtgaaatt	aatttcctta	cagttttcct	agctgatgag	ggacagaacc	1260
agaactagag	cctgagccca	acccacatca	ctattcttct	aacccttcct	gaagttgtga	1320
tgctcatgct	gaaattttaag	atgccaaata	tttttgccag	cactttttca	gttgggagaa	1380
tcaccagggg	ttaaatgtca	gatttatttt	tatgtggatc	cctgtgtatg	ctgaactaca	1440
gagcatgatg	tttaatctaa	tttaaggagc	cactgattgt	aaaacatgcc	attattttat	1500
gttgcactaa	gaagggtggg	tcgaggaggt	gccataaac	ttgggacaga	ctattgatgc	1560
caagcc						1566

<210> 5429
 <211> 2546
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (1)...(942)
 <223> similar to gi4559312 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5429	
atgcggagg	g
ggcgcgctgt	t
gagacgctgc	g
gccttcgtgg	a
tcggggctccg	c
agcacgctga	t
gccttctcca	t
tcagcccagc	g
tggggctggg	a
gtgaccgtct	t
ttcttggtatg	c
gtgcccgggg	a
tacctcttcc	t
gacctccacg	g
gcggatgagg	a
tctgccagct	c
ggcttggtg	t
aatgtccacg	a
tcccagcatc	t
ctgggacacca	a
tctggctctc	t
tctctttcat	t
ggctgtgggc	t
ctgcccgtct	t
ccctaaaccc	c
tggagaactg	t
gtgatggccc	a
gagtggctcag	t

cagggaggac	ttcctagagg	aagggacatc	gaactaagac	ctgaactatg	agaaataggc	1740
aggaagaagt	tgtacctgac	tcatttttct	caggtgtctc	cagggagcag	gacccatgga	1800
gggacccctg	gtgtaggcct	gggcgataga	ctcttcctca	gcagcctggc	aggcaggaaa	1860
cagacatagg	accccagccc	agatctgaat	ggcatgggag	gtgctgccct	taaccatgac	1920
accattgtaa	gagctgtcca	catttgtatg	ttgtgccctg	gaatcagcct	ggttgagctc	1980
aaatcccaac	ttagccacgt	ctggcctgtg	tccttgggca	gtcacactac	ctctctgatt	2040
ttgtttcctt	atctgtaaaa	tggatgatcat	cataatacaa	cttcaaaaagg	atttcaggct	2100
gagtgtggtg	gctcacgcct	atacaccag	cacttttgaa	ggctgaggaa	ggaggatcgc	2160
ttgaggccag	gagtttgaga	ctagcctagg	caacacagtg	aggccttatc	tcaacaacaa	2220
ccacaaaatc	taaaaattag	ctgggtgtgg	tgggtgcatgc	ctgtgatcct	ggctacttca	2280
gaggctgagg	tgggaaggatc	acttgaggcc	aggagtttga	ggctgcagt	agttatgatg	2340
gcactgctgc	actccagcct	gcgggacaga	gtgagaccct	gtctgaaaga	aagagagaaa	2400
gaaagaaa	aagagagaga	aagaaaagaa	gaaagaaagg	gaaagatgga	aggaagggaag	2460
gaaaaaagaaa	gagaaaagaga	gagagagaga	aagaaaaaga	aagaaaagta	agaaaagaaa	2520
aagaaaaaga	aagaaaagta	agaaag				2546

```

<210> 5430
<211> 1785
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (3)...(1215)
<223> similar to gi5732618 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5430						
tcatgacctt	tgaactctat	gaggaatttc	ttcgagctat	gggccttcag	gagaggaagg	60
agacaatcog	tgggtgtatac	tctgtgattg	atcaactctc	ccgaactcat	ctcaatacac	120
tggaaacgct	catctttcat	ctagtcagga	ttgctctgca	ggaagacact	aatcgaatgt	180
ctgctaattg	tttgccatt	gtgtttgcgc	cctgcattct	ccgctgccct	gacaccactg	240
accactaca	aagtgtacag	gacatcagta	agactaccac	ttgtgtggaa	ctgattgttg	300
tggaaacaaat	gaataaatac	aaggctcgtc	tcaaagatat	cagtagcttg	gaatttgctg	360
agaataaggc	aaagaccagg	ttgtcactga	ttcgtagatc	aatgggaaag	gggcgtattc	420
gtcgaggaaa	ctatccagg	ccatcgtctc	ctgtttagt	tcggttgcc	tctgtgtctg	480
atgtctcaga	ggagaccttg	actagttagg	cagccatgga	gactgacatc	acagaacagc	540
agcaagcagc	tatgcagcag	gaggagagag	tactgactga	gcagattgag	aacctacaga	600
aggagaagga	ggagctaaca	tttgagatgc	ttgtactgga	accccggtgc	tctgatgatg	660
aaacccttga	gtctgaggcc	tccattggga	ctgctgatag	ctcagagaat	ttgaatatgg	720
agtctgaata	tgctatctct	gagaaatcag	aaagaagctt	agcccttagc	tcctgaaga	780
cagctggcaa	gtctgaacct	tccagcaagt	tgcgaaagca	acttaaaaag	cagcaagact	840
cttttagatgt	cgtggactct	tcggtctcct	ctttatgtct	gtctaacacg	gcatcatctc	900
atgggaccag	aaaactat	cagatttatt	ccaaatctcc	attctaccga	gctgcctcag	960
gtaatgaggc	cctgggaatg	gaaggaccat	tgggcccagac	caaattcctg	gaagacaagc	1020
ctcagttcat	cagcagagga	accttcaacc	cggaaaagg	caaacaaaaa	ttaaagaatg	1080
tgaaaaactc	acctcagaaa	accaaagaga	ccccagagg	gacagtcatg	tctggccgca	1140
gaaaaactgt	ggaccacagc	tgcacctcca	accaacagct	agcactcttt	ggaaataatg	1200
aatttatggt	ctgaaccggc	agatgtgtgt	ccctccgtgg	ctacagagtg	gtaaacaat	1260
ctcacctttg	gggctgcgtt	tcatcacctc	gtccacaata	gtcaatccta	attgtggtcc	1320

<220>
 <221> misc_feature
 <222> (1134)...(441)
 <223> similar to gi2677843 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5432

ttttttttta	aagattttta	tagaatagat	gctttatgta	aaatattaaa	cataaaagga	60
caaactgaca	tttattccct	gagtcctgtg	acctgagatg	taaatgaggg	agccccantc	120
ctataaatta	aaattgggtg	tgtgggtatt	atcccataga	agcattgcca	tatccccag	180
atgcctaggg	aacagaaaag	gtgggtgtgc	ccaacaaaca	caatcctacc	ctcccagaaa	240
acgcccattc	tgaccttttt	attgtcgaaa	ttaaaaaata	aaagatactt	aaatacaacg	300
gtgaacatat	agggcaaaac	agaatcataa	aatttaatgt	tgagttaagc	agtgagctga	360
atgtctaggt	ctccaaattg	gctttgaacc	caaaaccact	taaaaacaag	tatgttcaca	420
gttaacggca	attggcttat	aggtgagaga	atggtcgaag	ttgttccagt	tgaacttcca	480
gggaaattct	ctcctcaaga	acatccttta	attgttgctg	caattcgcta	ttcaatctgg	540
ccaaaacggt	gttggtttcc	ttattacgtc	taattgatgc	ctgaatagct	ttcttatctt	600
tcccaacaga	tctgggaata	gaagggtgtg	atgcaagaac	agcagctaag	acacccgtct	660
tttgtgtatg	ttcatcaact	tctggcctta	attcatcttc	tgattttaat	cttcttcgaa	720
caggtttagg	tggtggagca	agtggtgttg	tgcctttgct	cacattggca	ggagcactag	780
cagctgtctt	ttcttcagtt	ttactatctg	ttttggcaac	tcgaagagaa	cttgaggat	840
cagaagcttt	ttcagccggc	aggacttctg	gatgtttctc	ggcttcatca	tcttggtcgt	900
cgtttacatt	tgatgcagca	aataacttcaa	actgactgaa	atctgcaaaa	tttggttgct	960
ctggatatctg	ctgaggtgag	gtactagtgt	gagttatgag	gccatcgga	tccactgggc	1020
gatgcacagc	aggaccagga	gcctgtgagg	gctgtggtct	tggaggcact	gcaggaggat	1080
gggcaacaac	tccagcctgt	tgtgtcctg	catgaatata	aaagtctctc	tttttagtaa	1140
ctgtataatc	actttgttaa	tagaagaaat	aggctgaatg	aatgtgacta	catgataaag	1200
atttctaaga	atgtttgtta	agtattagaa	ggcaagtact	aacttggtac	atgggtctgta	1260
tgtaacctaa	agaccaaata	tcacagcctt	tcatcagatc	tcactttgct	tcttacctct	1320
attacatgaa	gccctcctgg	catactcctg	cctattccca	taatagcaaa	caatcttgat	1380
tttcttcgtg	tatctctgac	tgtgttttag	gtatcaaata	aaaacttcca	aattttccct	1440
ttcacttaac	acttcacttt	tcctcaccat	tctaaactca	cagtgtacta	aacataactt	1500
catcatcctc	tgcctaact	tttctatttt	aaccaaggta	acaacaatac	tgccagttct	1560
tcaaaaatta	aaaacctggg	taagttatga	ctcttcttct	tcatcagcca	aattgag	1617

<210> 5433
 <211> 1201
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (108)...(328)
 <223> similar to gi2879865 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters


```

<400> 5433
gcgtccggttc aataaagatc tccctcagag ataaggatgt agacttataa gcaggacaag      60
actattcatc ttcttagcat tttactgcgg cgcccatcga cttataaatg gctgttgctg      120
atgggagagg agtggtatct ggaagggtta aagggttaga tctctggaac acattcttaa      180
tggaacatca caaaaagatca attccaaggg acacctggaa cctcctgctg gactttggaa      240
acatgattgc ggatgatatg tctaactacg atgaagaagg agcttggccc gttcttatag      300
atgattttgt agaatatgca cggccagtag tcacagggtg aaaacgcagc cttttctagg      360
cagcaagtta agcaggagta agattatgaa atgatttgta tcctgcaagg agattgcagt      420
cagttcctgg gtgcattgtc gctgattcca gaagtcattc ttgaccagcc atgaaaccag      480
aggcgccatc ccattctgcc ggaggacagc cagcggctgc tttgtggaca ccgcaggaag      540
ttcctcgga cagcgctgct ttgggatgtt tggagatttg tcatcatagc ttttgcgtta      600
ggaaatttct gcatgatttt ttaatattta caaaatacta aggtagagcc atagcgccgc      660
ctgtgggacc gcagagcatg ctgcgtagct cgcgcgtcag gcgaaccagc gtccggcagc      720
gtcccgccga atgacgttgc ggtggcactg gcaacacggc atgtgtcctc tgcagggcgc      780
tgggttttta tacacgtcaa agctgttaag aatgtgccct aaggagagg atcttgtcgt      840
agagtcta atgttttttaa attggtgcca gcaattcacg atttatattt tttgaattac      900
caaatatcta gatttaccag ctctattttt gttttcattt tctctagaca ttcattctgaa      960
aatcatttta tggttctcaa tccccatgta gctttgcata gcaacggcac acgtggcacg     1020
attccagcag agtttatctc acaccgttta tatatcactg ggctctctt acttaaatat     1080
tatttgacct gcctgagaag cttcataaag tatgtttttt taaaatatat ttttaattaca     1140
tttaaaaaga catttttcca tgaaaaacat ttattttatg agtgatgaat tatagatttt     1200
a                                                                                   1201

```

```

<210> 5434
<211> 958
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(959)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (2)...(426)
<223> similar to gil50149 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5434
tgctaaaatc ttggattatg gaaaatttaa gtatgaaaga aagaaaaaac aaaaagttga      60
aaaagaaaaa caatctttca caaacaatag agaaattcgt ttatcttttg gaatcaattt     120
aaatgatata aaaatcaaag caaaaaaagc caaagaattt ttattagata acgacagagt     180
aaaagtggct cttcgtctta gagggcgtga aaatacaaga cctgaacaag gtaaattaat     240
tttaaattct ttttttgatg aagtaaaatc gattgcaaaa ttaagttaaag aaatgcaatc     300
agttggta at tttttaactc ttcatattga acgtgataag aaaaaattac ccaaatttac     360
ttcttcaaaa caaataaagg aattaattga ttttgaaaaa actataaagg aagaagaaac     420
taatgcctaa agcaaaaaca aaatcagcac tnnnnnnnnn nnnnnngggg gggccgtttt     480
aaaggatcaa agtttacttc cgcgtgcttg caaggtaaaa gtttttttat ggggccccca     540
aaattaattc ccgggggccgg ggtttaacaa cggggggagg ggaaaaaccc ggggggttccc     600

```

cacttaa	atg	gcgcgc	gtg	gaaag	nnnngn	tnnnnn	ngnn	ngn	gtg	gtt	ggnng	660
ttgtgt	gtt	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	720
gtgtgt	gtt	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	780
gggtgt	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	gtg	840
ggccct	ttt	tgcc	ccgg	cggt	ttccc	gccg	gggc	tgcc	ccgg	gccc	cttc	900
tccgtc	tgc	tgc	tgc	gcgg	gcccc	ctct	cnct	ctct	gtgt	gcgc	ctcc	958

```

<210> 5435
<211> 1885
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (10)...(1145)
<223> similar to gi3766209 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400>	5435											
cggacgc	gtg	ggcggg	cagt	ggctgt	caag	cggtcct	cc	gcgagt	gctt	tggcct	gggt	60
cggcggg	aag	ttcaact	gct	gcaggag	tct	gacagg	cacc	ccaact	gtgt	ccgtact	ttc	120
tgcaccg	agc	ggggac	ccc	gttccact	ac	attgcc	ctgg	agctct	gccg	ggcctc	cttg	180
caggagt	acg	tagaaa	accc	ggacct	ggat	cgcggg	gggc	tggagc	ccga	ggctgt	gctg	240
cagcagt	ga	tgtctg	gcct	ggcccc	acctg	cactctt	tac	acatagt	gca	ccggga	acctg	300
aagccag	gaa	atattt	ctcat	caccggg	gct	gacagc	cagg	gcctggg	cag	agtgg	gtctc	360
tcagact	tgc	gcctct	gcaa	gaagct	gcct	gctggc	cgct	gtagctt	cag	cctcc	actcc	420
ggcatcc	ccg	gcacgg	aagg	ctggat	ggcg	cccga	gcttc	tgcagt	ctc	gccacc	agac	480
agtcct	acca	gcgtgt	gga	catctt	ctct	gcagg	gtgc	tgttct	acta	cgtgt	tttct	540
gggtgg	cagcc	acccct	tttg	agacagt	ctt	tatcgc	cagg	caaaca	tcct	cacagg	gggt	600
ccctgt	ctgg	ctcac	ctgga	ggaag	aggtc	cacgac	aagg	tggttg	cccc	ggacct	gggt	660
ggagcc	atgt	tgagcc	act	gccgc	agcca	cgcctc	ctg	cccccc	cagg	gtg	ggccc	720
ccctt	ctttt	ggagc	agagc	caagca	actc	cagtt	cttcc	aggac	gtcag	tgact	ggctg	780
gagaagg	agt	ccgag	cagga	gcccct	ggtg	agggc	actgg	agggc	gggag	ctgcg	cagt	840
gtccggg	aca	actgg	cacga	gcacat	ctcc	atgcc	gctgc	agacag	atct	gagaa	agttc	900
cggtcct	ata	agggg	acatc	agtgc	gagac	ctgtc	cggtg	ctgtg	aggaa	caaga	agcac	960
cactac	aggg	agctcc	cagt	tgaggt	gcga	caggc	actcg	gccaag	tccc	tgatg	gcttc	1020
gtccagt	act	tcacaa	accg	cttccc	acgg	ctgtc	ctcc	acacgc	accg	agccat	gagg	1080
agctgc	gct	ctgag	agcct	cttcc	tgccc	tactac	ccgc	cagact	caga	ggccag	gagg	1140
ccatgc	cctg	gggcca	cagg	gaggt	gaggt	gggct	ggatg	ccacac	agat	ggtct	ccgtg	1200
ctggct	cact	gaaag	agctg	agcct	gtggc	tggcct	caga	atcagg	ctgg	gtgcag	tggc	1260
tcacac	ctgt	aatccc	agca	ttttg	gggag	ctgagt	gaga	ggatc	acttg	agctc	aggag	1320
ttcgag	acca	gcctg	gccaa	catgg	caaca	ccccat	ttct	acaaaa	aatt	tgtaa	aatta	1380
gccagg	catg	gtggc	gcacg	cctgt	agtcc	cagct	gcttg	ggagg	ctgag	gtggg	agaat	1440
cacttg	agcc	caggag	ttcg	aggct	gcagt	gagcc	aggat	catgcc	actg	cactc	agcc	1500
tggtc	acag	agagac	actg	tcaccc	ccct	tcccc	acaa	gactg	gcaga	ggctg	ggcag	1560
cctggg	gctg	atgaag	caga	gatgt	tcgct	ggatc	ccagg	ccctg	gcacc	cctc	aggaaa	1620
tacaag	aaaaa	agaat	attca	catct	gttta	atgtg	cataa	agcca	aggaa	aggac	agttc	1680
cgaatt	ccct	aaaaaaaa		acaaaa	aaag	gacga	gggct	cggac	cgga	ctga	ataca	1740
aaactt	ggaa	taaggg	gggg	gggg	gggtt	tagaaa	aaaaa	aacct	tact	tggg	ctggg	1800
gccggg	gatt	tttttt	ttga	ttcgg	gattc	aaactt	tgac	tcggg	gggg	gctt	ctttcc	1860

<210> 5436
 <211> 621
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(622)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (16)...(100)
 <223> similar to gi3002588 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5436
 cgcttcttgt gcaaaaagac gcgtgaggac ggctggtaca aggggaccct gcagcggaac 60
 ggccgcacag gcctcttccc gggcagcttc gtcgagagct tctgagaact ggtgctccct 120
 gcacccagct cacagagggg gaggccgcct gggaagctcc acggcacaca gagagggagc 180
 catggcgccc caagggttcc aggtcatctc caaggcacct ggcgggggat accctggccc 240
 aggggtgggg ccagggactg tggaggtcgt gccttctccc aaaaccccca aacggagagc 300
 acacctggga tgttcttcaa ggaaatgccc accccctctg tggaaactgc aaagaaagca 360
 ccttgaggaa gagaggcagg tgccggcgca ggcaggcctg tggctgtggt ttgcagccat 420
 ggcagcgttc tcatttacca cctaagcagg gttggagggt gcaggaggtc tgcaggcgag 480
 gtgggtggca tggggggccag gacgcgtgga gatcatcttt ctgggctgcc ctgggcttcc 540
 cgcggngccc aggttgctct gtcaccattc tatatactc agtcacctgc cgcccggctg 600
 ctcancnaag ggtgtttgag g 621

<210> 5437
 <211> 1337
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1338)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (305)...(1048)
 <223> similar to gil065454 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400>	5437					
caccctgtta	tccatttctc	ttgtgttttg	gataatataa	gtacttacat	tttgttcggt	60
gaatatgctg	atggaagttt	tcttccagtc	tagatacatt	caacccccaa	gtgtcagagg	120
catgttctgt	atctaaaatat	agcacctaata	ctccattgtc	agatttgtct	catgaggaag	180
aatgcctgtt	gtcactcctt	ctggggaata	atgccaaagca	gctgttgagg	caacgttgtc	240
cttaacaggt	ccattccaaa	gctgttttct	tcatacctga	gccttctgca	cggtgacact	300
gatttttccc	cattttcagg	gagctgtgat	acacaagttg	ggcatcacct	tgggtgtctct	360
ccttttgttt	ttgacgctaa	cgaagacctt	tctgtcacc	tgccttgtgg	atgactgggt	420
tgtccataaa	gcaagctttc	cggctcgact	ctgctactta	tatgttgtca	tgcaagcctc	480
aaagcccaag	tattactttg	catggacatt	agctgatgca	gtgaataacg	cagctggcct	540
tgggttcagc	ggagtggata	agaatgggaa	tttctgttgg	gatctgcttt	cgaacctaaa	600
catctggaag	attgagactg	ccacaagttt	caaatgtac	ttggaaaact	ggaatattca	660
gacagctact	tggctaaagt	gtgtgtgcta	tcagcgggtt	ccatggtacc	ccacggtgct	720
aaccttcac	ctgtctgctt	tgtggcatgg	tgtctacctt	ggatactatt	ttaccttctt	780
aactggaatt	cttgtcacat	tagcagctag	agcggtcagg	aacaactaca	gacattactt	840
cctttcttca	agagctctca	aggctgtgta	tgatgcaggc	acctgggcgg	tcaactcagct	900
ggctgtctct	tacacggtag	caccctttgt	gatgttggca	gttgaaccga	ccatcagctt	960
atacaagtcc	atgtactttt	atttgcacat	cataagtctc	ctgataatac	tatttctgcc	1020
aatgaaacca	caagctcata	cgcgaaggcg	gcctcagact	ctgaactcta	ttaataagag	1080
aaaaacagat	tgatacctcc	aagagaagcg	gaacaagcaa	aactgcagaa	cgttcgaaag	1140
atgagatgac	aaggcttcaa	gggctcctcc	gggtgcttat	aggcgatgtt	tacatgcac	1200
tttattttgt	tcttttttaa	agtgcaggga	gtannnnnnn	nnnnnnnnnn	nnnnnnnnng	1260
aaaagggtgc	cctttttttt	cccaaatttg	gaataaaatg	gggagaacct	ggattttttg	1320
aagtcccccc	tccccggt					1337

```
<210> 5438
<211> 2370
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (94)...(1453)
<223> similar to gi2988399 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters
```

<400>	5438						
ggtggaattc	attattgtta	cgtcttccag	ctcatgcatt	ccaaccctcc	ccagcccctt		60
cctgccttca	tctcttacct	ctatacccaa	ggccttcccc	gctatccact	caacatcccc		120
ttctgtttta	tgccagggac	tgtgatgatt	ccgggtgtga	ctcagctgac	agagaaggac		180
ctcaagtacc	ggctgcaggc	gtccaggggc	aagtccatta	tcaccagtga	ctccctagct		240
ccaaggggtg	atgccatcag	tgccgaatgc	ccctccctcc	agaccaagct	gctggtgtca		300
gacagcagtc	ggccaggctg	gttgaacttc	agggaactcc	tccgggaggc	ttctacagag		360
cacaactgca	tgaggacaaa	gagtcgagac	ccgctggcca	tctactttac	cagcggaacc		420
accggggccc	ccaagatgg	cgagcactcc	cagagcagct	acggactggg	ttttgtggcc		480
agcggaagac	ggtgggtggc	cttgaccgaa	tctgacatct	tctggaacac	gactgacact		540

gctgtgggtga	aggcagccttg	gactctcttc	tctgcctggc	ctaattggatc	ttgcattttt	600
gtgcatgagc	tgccccgagt	tgatgccaaa	gttatctctga	atactctctc	caaattcccg	660
ataaccaccc	tctgctgtgt	cccaaccatc	tttcggctgc	ttgtgcagga	ggatctgacc	720
aggtaccagt	ttcagagcct	gaggcactgt	ctgaccggag	gagaggccct	caaccctgac	780
gtgagggaga	agtggaaaca	ccagacttgt	gtggagctgt	acgaaggcta	tggccagtct	840
gaaacggttg	tcattctgtgc	caatccaaaa	ggcatgaaaa	tcaagtctgg	atccatgggg	900
aaggcgtccc	caccctacga	tgtgcagatt	gtggatgatg	agggcaacgt	cctgcctcct	960
ggagaagagg	ggaatgttgc	cgtccgtatc	agaccactc	ggcccttctg	tttcttcaat	1020
tgctatttgg	acaatcctga	gaagacagct	gcatcagaac	aaggggactt	ttacatcaca	1080
ggggaccgag	ctcgcagtga	caaggatggc	tacttttggg	tcattgggaag	aaacgacgat	1140
gtgatcaatt	cttcaagcta	ccggatcggg	cctgttgaag	tggaaagtgc	cctggcgagag	1200
catcctgtct	tctctggagtc	ggctgtggtc	agcagcccag	accccatcag	gggagaggtg	1260
gtaaaggcat	ttatagtctt	tactccagcg	tactcctctc	atgacccaga	ggcactaacg	1320
cgggaactcc	aggagcatgt	gaaaagggtg	actgctccat	acaaataccc	caggaaggtg	1380
gcctttgttt	cagaactgcc	aaagacggtt	tctggaanga	tccaaggagc	taaatgtcga	1440
agtcaggagt	gggggaaatg	aggtgcaccc	caggaaggcc	ccgtagacct	ccgaagactc	1500
cacaagaaac	taatggatca	ctggtcagtc	cccatgggga	gcatcatctc	ttcgacccta	1560
aagatgtcaa	aggtgtgcag	cttccaaacg	gcatccccag	gatcactggg	caatgctgga	1620
aagagcaaaa	gaatatcatt	ggccctgata	acatagatgc	tgcgccgcct	agcaaattgct	1680
tggtggttcg	acttctccct	ctgtctgggg	gcaggctcag	catctgccc	ctggtctcac	1740
taagagcttt	cagatttccc	tccataggac	aggttaccat	agacttgggg	cacttgtggg	1800
tactcattct	ctgccagtg	gaatgtaaag	gcttcacct	ttgtatgtaa	ccatttggca	1860
aaagtatgca	ggaacataaa	ataaaatatc	ctttagctca	gaaattctat	cttcggggagt	1920
caccacaaaa	gaaaaaaaaatc	aaaatgcaga	aaatgtgtgg	tgcactaaga	tgatcacaca	1980
gcattaaaaac	taaaaaaaaaaa	aaagaaaaaa	ttaacaatta	acatccaaac	aacaaggaaa	2040
tgattaacaa	aattgtagta	gattaactca	attacatatg	atgtagccac	taaaatatatt	2100
gagagcagtt	tagtatgtct	tgggaaaagt	gtaagctata	ttaatttttaa	aaatcagagc	2160
aaaaatatct	atactggaga	atcccaactc	tgaaaaataa	agggaaaact	gtggttaatt	2220
gtaatctctc	tggagattga	ggagggagg	agagaaaata	atggatggta	gtttttcttc	2280
ttcctttttc	cattacatttt	ctgtattttc	caagtttttg	tacgaagcac	atacaactat	2340
tttaatgaaa	aagttatggt	aaagaaaaaa				2370

<210> 5439

<211> 1564

<212> DNA

<213> Homo sapiens

 $\langle 220 \rangle$

<221> misc feature

 $\langle 222 \rangle \quad (150) \dots (820)$

```
<223> similar to gi2645229 in the genepept database release 114,  
Run with FASTXY 3.3t00, default parameters
```

<400> 5439

agtgtggtgg	aattcgtgaa	cttgaagcac	ttgcaacttt	gtaccagaaa	caaaataaat	60
atgaacaagc	tgaacatttt	aggaaaaaat	cctttaaaat	tcatcagaaa	gctataaaga	120
aaaaaggcaa	cttgtagcga	tttgcccttt	tacgtagacg	ggctttacag	ttagaagagc	180
ttacattag	taaggacaca	cctgataatg	ctcggaccct	caatgaactg	ggtgttctct	240
actatcttca	aaataacctg	gaaacagctg	accagtttct	gaagcgttcc	ttagaaatga	300
gggagcga	gtctaggacca	gatcaccctg	actgtgctca	gtctttgaat	aatctggcag	360

```

ctctatgcaa tgaaaagaaa cagtatgata aagcagaaga actttatgaa agagcttttag 420
atattcggag acgtgcatta gctcctgata acccttcttt ggcataatacg gtgaagcatc 480
ttgccatctt gtataagaaa atggggaaac ttgacaaagc tgtacctttg tatgaattgg 540
ctgttgaaat tgcacagaaa tcttttgccc caaagcaccg tagtgtagct actgccttgg 600
tgaacttagc tgttctttat agccaaatga aaaaacacgt tgaagctttg ccattatatg 660
aaagagcatt aaagatttat gaagatagcc taggtcggat gcatcctcga gttggagaaa 720
cactgaaaaa ttttagctgtg cttagctatg aaggaggaga ttttgaaaaa gctgctgaat 780
tatacaaaaag ggcaatggaa ataaaagaag cagaaacatc actcttgggt ggaaaagctc 840
cttcacgcca ttcatacaagt ggagacacgt ttagcttaaa aacagctcat tctcctaattg 900
ttttccttca gcaaggacaa aggtaatagc agcagttaga attctttgca aatgtacctt 960
aagacaaaat aattaaacat ttggaacatt tgaatttgaa actttaaaaa aatgttgtac 1020
gaaattttac tacgtgtgat ttaactgcta tttgtatgaa gttgtattgg attacattaa 1080
gttggaattg tgattatgtc tgttttagtt gtttaaaaga attttcctat tataatggat 1140
ccaaggatgt agacacatta gaattataag aagacatgag gagcaaatca tgaagagcgg 1200
attggtcttt gttcaacaag agctggcaga gtagttaaga caaggagttc aaaaattcca 1260
tgaatcttgg ccaggcatgg tggctcatgc ctgtaatccc accactttgg gaggggtgatg 1320
caggaggatc acttgaggcc aggagttgga gaccagcctg gccaacatgg tgaaaccttg 1380
tctctactaa aaatacaaaa aaaaattagc tggacctggg ggcgcacatg tgtaatccta 1440
gctactcagg aggtcaggc atgagaatcg cttgaactca gcaagtggag gttgctatga 1500
gctgagattg tgccagttca ttccaccctg ggcaacaggg tgagactctg tctcaaaaaa 1560
aaaa 1564

```

```

<210> 5440
<211> 908
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (15)...(677)
<223> similar to gil89044 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5440
agtcgtggtg gaattccctt ccgtgcctga agtgcgacaa gcgcttccgc ctgaagggca 60
tctgaaggc ccaccagcac acgcacagca aggagaggcc gttctcgtgc ggggagtggt 120
gcaagggctt caccagacaa tccaagctca cggagcactt gcgcgtgcac agcggggaga 180
gacctttcca gtgccagag tgcaacagga gcttccgcct gaaggggcag ctgctcagcc 240
atcagcgctt gcacacggga gagaggccct tccagtgtcc ggagtgcgac aagcgctatc 300
gcgtgaaggc cgacatgaag gccaccagc tgctgcacag cggggagatg cctttctcct 360
gtgagtgcgg caagggcttt gtgaaacact caaagctcat cgagcacatc agaacgcaca 420
cgggagagaa gccttttcag tgtcccaagt aggacaagag tttccgcctg aaggcgagc 480
tgctcagcca tcagggcctg cacacagggg agaggccttt tcaactgcct gagtgtgaca 540
agaacttccg ggaaagggga cacatgctga ggcaccagcg catccacagg cccgagaggc 600
cctttgcctg tggcgattgt gggaagggtt tcatttataa gtctaagctt gcggagcaca 660
tcagagtaca cacaaaatcc tgtcctgctc caaatgaact ggacattaag aaaacgctca 720
gccaaactgt tgcaatgata gaggccgatt ggagttgagg cagagtggga catccaaagc 780
gttgagcagg atttggtattg ccaggaatc cacagcaaca gtagccagac ccgctggtag 840
acgggtttta ggagcaggta tcttctttg agcaagagtg tcatgcaagt taggaatatg 900
aagaacca 908

```

<210> 5441
 <211> 2355
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (38)...(668)
 <223> similar to gil708767 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5441

tttcgttgat	atcttccaga	gatggaaaga	gtgcagggga	aagagccctg	cccaggcgga	60
actctcctat	ctgaataaag	cgaagtggct	ggaaatgtat	ggggtagaca	tgcacgttgt	120
caggggaaga	gatggctgtg	aatattctct	tggactgacc	ccgacaggca	tattaatctt	180
tgaaggagct	aacaaaatag	gcttattctt	ttggcctaaa	attaccaaaa	tggattttaa	240
aaagagcaaa	ttgacactcg	tggtggctga	ggatgatgat	cagggacgtg	agcaagagca	300
cacgttttgt	ttccggttag	acagtgccag	gacctgcaa	cacctttgga	agtgtgcagt	360
tgagcaccac	gcattcttcc	gactgcggac	gccaggaaac	agcaaatcca	atagatccga	420
ctttatcagg	ctgggctctc	gcttcagatt	cagtgggcgg	acagaatatc	aagctacaca	480
tggtctccagg	ttacgaagaa	ccagcacctt	tgagagggaag	cctagttaac	gttatccatc	540
ccggagacat	tcaacgttca	aagcaagcaa	cccagtgata	gcagcccagc	tctgctctaa	600
aacaaatcca	gaagtccata	attaccagcc	tcaatatcat	cctaatatcc	atcccagcca	660
gccccggtgg	catcctcact	ctocaaatgt	caggccatcc	tttcaggatg	acaggtcgca	720
ttggaaagca	tccggccagt	gagatgacag	ccattttgat	tatgtccacg	accagaacca	780
gaagaactta	ggagggatgc	aaagtatgat	gtatcgagat	aaactcatga	ctgcactttg	840
agagactgaa	gcattctctc	tccattcacc	ttcatagttt	cattgcattc	catgaaaagt	900
gtcttggcct	cagatggatg	gatgtgtttg	gacgagtgtc	tttaaggagt	agtccctgaa	960
ggtgtttttg	gtgtccatgt	aaatatattg	agataaaacc	actatagctt	gtcataattt	1020
actgttgact	gcattctcat	taaaatgaag	gtaaaggctc	aggaatcata	ttgatgttct	1080
gattttaaaa	ttggagtcaa	agtctatgtt	tatcatttta	ctatgttcct	gatgttcttt	1140
gttatttaat	taatgggagc	aaataaaacc	agaagagctt	gggaagattg	ctcagcatat	1200
attcctgtcg	tagaagttga	gattgctagg	gtccagtttc	cctagtgtgg	cctggacgag	1260
tcatttcccc	ttcattgacc	tcattttccc	catctgaaaa	gagaggggtg	gactaagtga	1320
tctccaaggt	cctttccaac	tctaaaattc	tgcaatttgt	taacatttca	ttttgtttag	1380
gttgaggaca	tacattcaaa	ctaattttat	cacaaggaaa	actgcaatac	ccacttcctt	1440
gacagagtta	ctcctttcag	aagctaaata	aagtatataa	cttattagat	gttatataga	1500
tacaggggga	ctttgaattt	cacatcttaa	agcagttgag	ctactttgaa	tttaagcagt	1560
cgtactaatc	ttaaattgca	tagcatttgt	tttgatcgaa	tttgctgctc	aagtatggga	1620
ataattttta	atgtcttaat	gattgggtgt	gctaacttgc	gtgatttcag	aagacataat	1680
tgtgaataca	cactgtcaga	attgggggat	tggtttttac	cctagacttc	actcttaaaa	1740
agcaacgtgc	aatcaagatc	atztatggct	caaataagaa	catataaggt	tttcttgaag	1800
ttgtgccaaa	gcattctgta	gagtaggatg	agatggttgt	tgccctagtc	tgttggtaga	1860
accagaaatc	aatatgttgt	cttttaggtt	aaagcttgta	ccaaaatatt	tatttcccc	1920
atttcaagcc	ctgagtcaaa	catttttttc	tcttaataat	agacctgaaa	tgttttatta	1980
gtattttctgt	gaaatcagtt	gattcttgtg	ccatttttgt	atatgtaatt	gtaattttgc	2040
ccatgttagg	ccctctaaaa	aatgtttgac	atcctttgag	atattttatt	actaaaatct	2100
gatctttttt	ggctactgca	aaaatctatt	cagcaagaag	gtatcagctg	cataccttgc	2160
acagtggagc	tgactaccta	taaactctcc	ctaaggcatt	tgtttacagg	tgtattccat	2220

tttagcagac	gttctgatgc	tcagtgtatg	tgctgcatac	aaataaatgt	gttctgaatc	2280
ttttcatctt	attgatagca	ttttaacaaa	tgtgtttcca	aggaataaag	attattcttg	2340
cttttaaaaa	aaaaa					2355

<210> 5442
 <211> 1510
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (96)...(436)
 <223> similar to gi4454453 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

007270" 52236460

<400> 5442						
cgatccgcat	ttcccgggtc	gacgatttgc	taaaactgat	cagactgtct	cagatcaagg	60
aaaagatggc	cagagagaag	ctggaagaaa	tagattgggt	gacatttggg	gttatattga	120
agaaggttac	gccacagagt	gtgaatagtg	gaaaaacctt	cagcatatgg	aaactgaatg	180
atcttcgtga	cctgacacaa	tgtgtgtcct	tgttcttatt	tggagaagtt	cacaaagcgc	240
tctggaagac	ggagcagggg	actgtcgtag	ggatcctcaa	tgccaacccc	atgaagccca	300
aggatggttc	agaggaggtg	tgtttatcta	tcgatcatcc	tcagaaggtc	ttaattatgg	360
gtgaagctct	tgacctggga	acctgtaaag	ccaagaagaa	gaatggagag	ccgtgcacgc	420
agactgtgaa	tttgctgac	tgtgagtact	gtcagtacca	tgtccaggct	cagtacaaga	480
agctcagcgc	aaagcgtgcg	gatctgcagt	ccaccttctc	tggaggacga	attccaaaga	540
agtttgcccg	cagaggcacc	agcctcaaag	aacggctgtg	ccaagatggc	ttttactacg	600
gaggggtttc	ttctgcctcg	tatgcagctt	caattgcagc	agctgtggct	cctaagaaga	660
agattcaaac	cactctgagt	aatctggttg	ttaagggcac	aaacttgatc	atccaggaaa	720
cacggcaaaa	actcggaata	ccccagaaga	gcctgtcttg	ctctgaggag	ttcaagggaac	780
tgatggacct	gccgacgtgt	ggagccagga	acttaaaaca	acatttagcc	aaagccacag	840
cttcagggat	tatggggagc	ccaaaaccag	ccatcaagtc	catctcggcc	tcagcactct	900
tgaagcaaca	gaagcagcgg	atgttgagga	tgaggagaag	gaaatcagaa	gaaatacaga	960
agcgatttct	gcagagctca	agtgaagttg	agagcccagc	tgtgccatct	tcatcaagac	1020
agccccctgc	tcagcctcca	cggacaggat	ccgagttccc	caggctggag	ggagccccgg	1080
ccacaatgac	gcccaagctg	gggcgaggtg	tcttggaagg	agatgatgtt	ctcttttatg	1140
atgagtcacc	accaccaaga	ccaaaactga	gtgcttttagc	agaagccaaa	aagtttagctg	1200
ctatcaccaa	attaagggca	aaaggccagg	ttcttacaaa	aacaaaccca	aacagcatta	1260
agaagaaaca	aaaggaccct	caggacatcc	tggaggtgaa	ggaacgtgta	gaaaaaaaca	1320
ccatgttttc	ttctcaagct	gaggatgaat	tggagcctgc	caggaaaaaa	aggagagaac	1380
aacttgccta	tctggaattt	gaggaatttc	agaaaatcct	aaaagcaaaa	tcaaaacaca	1440
cagggcatcc	tgaaagaggc	cgaggctgag	atgcaggagc	gctactttga	gccactggtg	1500
aaaaaaaaaa						1510

<210> 5443
 <211> 3004
 <212> DNA


```

agcagaagag  tgggaagacaa  atatTTTTCCA  cttaaAtgag  gctgtTTTTtG  acgttctctg  2760
ccaaggattt  agagcttttcg  ttgaactaac  ataaaaggag  tgcgagtctt  agtagagatg  2820
ttccgtgtgt  gccgcccgtg  ctctgaactg  cgtttccacc  tgctgtggtg  cttgtgcagc  2880
ctggcagttc  attgtcatct  ttaataaact  aaggaaataa  aattctgtct  ttcgtcagcc  2940
tgccttgact  gtcaagaaat  ggcAtgtgtc  cactgtaaag  caggtatatc  tgaacattga  3000
gaag                                              3004

```

```

<210> 5444
<211> 384
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(352)
<223> similar to gi4512282 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5444
tttcgtctta  gctgggtttt  ccttggttGct  attttaaaag  gtgtccaatg  tgaggagcag  60
ctggtggagt  ctgggggaac  cttggtacag  ccagggcggt  ccctgagact  ctctgtaca  120
gcctctggat  tcacgttttg  tgattatgct  atgagctggt  tccgccaggc  tccagggaag  180
gggctggaat  gggtaggttt  cattagaagc  aaaccttacg  gtgggacagc  agaatacgcc  240
gcgtctgtga  aaggcagatt  cagcatctca  agagatgact  ccaaaagcag  tgccttcctt  300
caaatgaaca  acctaaaagc  cgaagataca  gccatgtatt  actgtactag  atctaagaga  360
tttctggctt  accactttga  ctcc                                              384

```

```

<210> 5445
<211> 798
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (1)...(799)
<223> n = a,t,c or g

<220>
<221> misc_feature
<222> (216)...(501)
<223> similar to gil616675 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

```

<400> 5445
tttcgtggaa ttacgcccga gtggagagtg tggaccgtga gtgtgggtat cagggagggc 60
tggatggagg cctgtgggtg ggtgaactgc gtcctcctag ctcagcccc aggaagctga 120
aagcccacga ggaaaaaatg tgggtgtcac tgggcaagat ggggataata ggaggcccat 180
gcaggaggca caagagccca accaactgtc ccatttttgc cctgaccttt gccctggtag 240
tcctggcctt tcccgcctac ctgctgggca ttgacagcgg gcgactgcag gagaagctga 300
ccagccgcaa gatggacagc cgctggggcg ggcgcagcga gtccatcaat gtgaccctca 360
acgtggagca ggcagcctac acccgatgat ccctggccaa ggggctctat gcccgcctct 420
tcgacttcct cgtggaggcg agtggggctg gggctggaag gcagagtga tgctctgggg 480
tcacaaacat ttatggaagc tgagtgcagt ggctcacggc tgcaatccca atgccttggg 540
tggctgagtt gggagcattc tttgaggcca gaagttcaag accagcctgg gcaacatagc 600
aagaccccca tctctacaga aatttcaaat tagctgggtg tagtgggtgt catgtgcagt 660
tccggctact cagagggtcg aggttggggg atcacttgaa cccaggaggt tggggctgca 720
gtaagctatg aatgcgctat tgtactccag cctggacgaa atcgtcgacc cggccattgn 780
nnnncggtcc ggcaggcg 798

```

```

<210> 5446
<211> 1173
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (27)...(444)
<223> similar to gi2746866 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

```

```

<400> 5446
ctgcacgaat tccgcacgag ctgcttctgt gggatgtggt gacaggacag agtgtggaaa 60
gagcatctgt ctccaggaac gtggtcactc acctgtgctg ggtccccaga gaaccataca 120
tactacagac ctctgaagat aaaaccctca gattatggga cagtcggggg ctgcaggtag 180
ctcatatgtt tcctgcaaag cagcacattc agacctactg tgaagtcagt gtggatggac 240
acaagtgtat ctctgcagc aatggctttg gaggagaagg ctgtgaagcc acgttgtggg 300
acctaagaca gactcgaaac agaatatgtg agtataaggg gcatttccag actgtcgcat 360
cctgcgtctt tctaccaaga gcattggcct tgatgccttt aattgctacc tcatcacatg 420
attgcaaggt gaagatttg gaaaccaagata ctggagcctg ccttttcacc ttgtctctgg 480
atggatcagg acccttgact tctctggctg ttggtgacgc catctcctta ttgtgtgcaa 540
gttttaacag aggaattcac ttactcagaa tggaccacag ccaagggctg gaactgcagg 600
aagtggcagc attctgagc caagagacac tcaactggaca atatcaaacc atggctcctc 660
ctcagcatgg ctttgtgtct tcccagtta tcttgagggg agtgggatgt agggctggta 720
ttctttgctt aggttcattt acaagatgta tcagtgttgt aagtccaata atttaagtcc 780
agtgattcaa aatcagggtat agagtccaga aacatggact acacataagg ttctctatct 840
aagttaaata caaatgcaac tttttagtga gcttttagga ctactcttca aaaaaagtg 900
attgctcaga atgatgacct gtaaagttaa gagtggcagg cctctgtctg tgaaagtcag 960
aacacagggc tcgagcctct ggaactgacc ctttgcaagt ctttacaaaa gaaaaaaggc 1020
agtggggaga gagagtgttt tggttacatc aggaataaat tgagatggga aagaatagtg 1080
cagctccata gaggagacgg actgtagaca atgagattaa gcttcagtca ctgctcttca 1140
gcaatgtgaa gaatcaaagt cagggcctgt att 1173

```


attcatctgc	ccggacacat	ctgtaatctt	ttcccttgaa	atacagtcct	tctcttcggg	720
cttgcaaagg	gttcttggca	aatccattca	ccagtggttcg	gacatcactg	ggcgttacat	780
tgaaacctgg	tgatgctaca	cacaagctcc	gtcctgggat	tttgatgagg	gctgcactgt	840
ccacatgctt	ggttcccaag	ag				862

```

<210> 5449
<211> 502
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (505)...(57)
<223> similar to gil45908 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5449						
caggaattta	gttgccgttc	ttcccgcctg	tcaggggagg	gtttttttat	atctcagata	60
aatgcaaacg	catcgccaaa	caggcgatct	tcccgcgcat	tacgctcact	gcaaaacaga	120
tcgcgggcaa	ttttcgccat	ctcaaaacgt	ccggcaatat	agatatcatg	ctctgccagc	180
gtaccgtgat	cctgcaatac	cgccgttaac	acggtgccag	tacgcccacg	ccagcccgtt	240
tccggttggt	caaccaccgg	caccacttgc	agaccaggat	gcttcaacga	aagcgccctca	300
agctcgcaga	gatcatacag	atgctgctct	tcacgcccgc	cccagtaaat	ggtgatataca	360
cggtttgggt	tacgcgccaa	cgctgtcagc	aaaatcgagc	gggcataaga	gaacccgggtg	420
ccgcccggcaa	tcaaaatcat	cggacgctct	tcatcatcgc	gcagccacgc	ttctccgtgg	480
ggaatgtcga	ccacgatttg	at				502

```

<210> 5450
<211> 2873
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (305)...(1555)
<223> similar to gi468355 in the genepept database release 114,
      Run with FASTXY 3.3t00, default parameters

```

<400> 5450						
tcctgccgcg	ccggcagcca	caggctggca	tagcggctgc	cgacccgccc	tcgttccctcc	60
accccctgca	cgggactgct	gggcccggcc	cgccccgcct	gcaggtgaag	cggccgcagc	120
cgccgagtag	gtgcgtgggg	atgatctcac	tcgcgcgctc	cgcgccagga	ggaggaggag	180
cgggagcgga	tccaacttcc	gggtagtgga	gccgcaagcc	accggcatct	tgctttttct	240

tccccctcct	cctgtgtgcc	ccgcgcgcgt	ccctctttcc	cttttatccc	cggccccacc	300
cgccaaaatg	aacagctcgg	acgaagagaa	gcagctgcag	ctcattacca	gtctgaagga	360
gcaagcaata	ggcgaatatg	aagaccttag	agcagagaa	cagaaaacaa	aggagaagt	420
tgacaaaatt	aggcaagaac	gagatgaagc	cgttaaaaaa	ctggaagaat	ttcagaaaat	480
ttctcacatg	gtcatagagg	aagttaattt	catgcagaac	catcttgaaa	tagagaagac	540
ttgtcgagaa	agtgtctgaag	ctttggcaac	aaagctaaat	aaagaaaata	aaacgttgaa	600
aagaatcagc	atgtttgtaca	tggccaagct	gggaccagat	gtaataactg	aagagataaa	660
cattgatgat	gaagattcga	ctacagacac	agacggtgcc	gccgagactt	gtgtctcagt	720
acagtgtcag	aagcaaatta	agaacttcg	agatcaaatt	gtatctgttc	aggaggaaaa	780
gaagatttta	gccattgagc	tggaaaatct	caagagcaaa	ctcgtagaag	taattgaaga	840
agtaaaataa	gttaaacaag	aaaagactgt	tttaaattca	gaagttcttg	aacagagaaa	900
agtcttagaa	aaatgcaata	gagtgtccat	gttagctgta	gaagagtatg	aggagatgca	960
agtaaacctg	gagctggaga	aggaccttcg	aaagaaagca	gagtcatttg	cacaagagat	1020
gttcattgag	caaaacaagc	taaaagagaca	aagccacctt	ctgctgcaga	gtcccatccc	1080
tgatcagcag	cttttgaaag	ctttagacga	aaatgcaaaa	ctcaccagc	aacttgaaga	1140
agagagaatt	cagcatcaac	aaaaggtcaa	agaattagaa	gagcaactag	aaaatgaaac	1200
actccacaaa	gaaatacaca	acctcaaaca	gcaactggag	cttctagagg	aagataaaaa	1260
ggaattggaa	ttgaaatatc	agaattctga	agagaaagcc	agaaatttaa	agcactctgt	1320
tgatgaactc	cagaaacgag	tgaaccagtc	tgagaattca	gtacctccac	cacctcctcc	1380
tccaccacca	cttccccctc	cacctcccaa	tcctatccga	tcctcatgt	ccatgatccg	1440
gaaacgatcc	caccccagtg	gcagtgggtg	taagaaagaa	aaggcaactc	aaccagaaac	1500
aactgaagaa	gtcacagatc	taaagaggca	agcagttgaa	gagatgatgg	atagaattaa	1560
aaagggagtt	catcttagac	ccgttaatca	gacagccaga	ccgaagacaa	agccagaatc	1620
ttcgaaaggc	tgcgaaagt	cagtggatga	actaaaagga	atactggcct	cccagtagca	1680
ttggatgcag	gaaaaaatac	attgacgggt	aaaaacaagc	cgaaccagtt	gtagttttag	1740
atcctgtttc	tacacatgaa	ccccaaacca	aagaccaggt	tgctgaaaaa	gatccaactc	1800
aacacaagga	ggatgaagc	gaaattcaac	cagaaaacaa	agaagacagc	attgaaaacg	1860
tgagagagac	agacagctcc	aactgtgtat	ccataaacca	gaagcctgac	atgtttggaa	1920
gtccttttca	ataagcacat	gattagtgtt	gttatattgg	caagggtgt	aaacattctg	1980
ctctggtcac	tgtattcaga	atacaggttc	ttttctggtg	tcacttttgt	aagttagcaac	2040
tataaacata	agtaagctgt	ttagcaaaac	acacattcct	agtaggtttt	ggttttttga	2100
tctttataaa	gatgaggttt	ttttcctagt	tactgtatta	agtatgactt	cttttgaag	2160
gttacaaaaa	aattcagatg	ttgatacctt	tttaggaaat	gtgcatacca	ctcatcaa	2220
ggaatgctga	aagtttgagg	tgcttgtata	taatcgata	aacaaaactg	atcaacccaa	2280
tgtgatttta	aaagcccca	aagaagcttc	tgttttggt	ctgatcctct	tgatggagaa	2340
actgcagcag	catggaaatt	gttgggtact	gtggcataca	agttattttc	tacagtagac	2400
tgagataaac	tgaaaactca	ggagctggca	tcaaactcgt	agtcccatag	tcagtgttaa	2460
ttacacacat	tgттаactat	tggatgaaaa	atacatgcta	ttgatttgt	ccaaagcctc	2520
ccgaggacct	ccgtgggat	gctctggtag	cctgaataca	gaactgaggt	gaaagtccaa	2580
accttgaaat	ttacagtatg	aagtttggt	accatgtgt	ctgtgctatg	agttaattat	2640
gttttcccaa	atactaagt	ggcacaahta	ccatathtta	tcagagttct	tatgtacagt	2700
atggtgaaga	taagtacaa	gcacacattt	tcttctgttc	actgctgttc	tattattcac	2760
aggtttgttg	ttgttttttt	taaaaagaa	attaagcagt	agtttagctc	taaaaataca	2820
atgtttcagg	ctaccacagt	gaataaatag	aaatgtaatc	agggattaaa	aaa	2873

```
<210> 5451
<211> 1809
<212> DNA
<213> Homo sapiens
```

```
<220>
<221> misc_feature
<222> (1681)...(562)
```

<223> similar to gi442368 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5451

caacacgcgg	gcgataagtt	tgtttctttt	aaacggcgcc	cccttttttt	tttttttgtg	60
gattttcctt	ttaatgcaaa	atgttgcaat	acaaaacaat	gtggagaaaag	tcctgttcct	120
caggacactg	aagggaaggag	tgaggaagag	aggacagagc	tgagcgtctc	ctcctatttc	180
tccctcccca	agtcactctg	aggggaagaa	cactgctgcc	tgctccctgg	gcctgcccgc	240
atacaagggt	agagccctgg	gtctggggca	tccttagcct	gaaatttggt	gacatggggc	300
aggagagcag	gaggggaacat	tgagggtttt	gactcttcgg	gctctaaaag	gattactcag	360
gatctggagt	tccgtatgaa	acaaaggagc	tgaaagaatt	tgattgccaat	tggtctaaaa	420
tatagaggat	ttgagccaca	actggcccac	atgtgaagaa	tgaggaacaa	gaaatttagt	480
ggggatataa	tataaatgta	tgaggagtga	aaagatgcaa	aaaacaaggc	tagctcctca	540
aacctcctcc	tctttcttcc	tcatctccag	cttatagaca	atctggtagc	catcatccca	600
ggcatagagc	tggtgttctc	gggggttata	gctggagctg	gcatgggcac	catatctgcg	660
gggaaaataa	gggagtgtcg	cccgttcagg	ggtcagggtg	ccgctggcat	caaaggagca	720
ctggatgcgg	gcccgaactg	caggacgggt	gttatagacg	acatagaggg	tcccacagat	780
gacaaaggca	gcctcagcat	tctctctggg	acatggtgtg	tcccactgct	gctctgtgtc	840
cagtgtctgt	ggatctaact	tgccagacaa	caagtgcctg	tcatcctccc	gggtggcata	900
gacagcccaa	agaccttcct	catcagctgc	caggtcgatg	taggtgtctg	ctgtcaagcc	960
gtaggggggg	atcagcccct	ctgctgggaa	tactgagctg	tccaccactg	ttcggtttgc	1020
cagggtggaat	ttgattagct	gcaaagtgtt	ctccatctca	ccacctccac	cagggtcttc	1080
aggaggcctc	cgagcaaaat	aaagaaagcc	accatatacc	agctgccctg	tgcttaccca	1140
ggggaagggc	acccggactc	gggaagcttt	ccgggcagcc	atggcaaggg	tgaagtacag	1200
cagccttggg	aagacaaagg	ctgtgtcatt	ctgtgtccca	tctaacacgt	agatcttctc	1260
tggttgcccc	agtggatcct	tggtccatag	accagctggg	ccaccaaatc	gcttcagaat	1320
cttcattgat	ctcacttgag	agattgtgta	gccacagtct	gtcaccatat	cgtacttctc	1380
attccttctt	cccttgcttt	tggtccagag	gcctccagtc	accttctcat	caaactctac	1440
acagggcaga	gctgggttct	gggtctccag	atagtctacc	tcccgtctca	gacgatccac	1500
tctcccggag	atggtgtcgg	cctcagttct	gagtgccctc	cgctccttct	ctgccacctc	1560
cagcagtggc	agcatcttgt	tcttgaagtc	ccgcagctca	gcagcatgcc	gactactctg	1620
gtcctggcac	tgggccagcc	gttcctctaa	agcagctagt	cggcgttcca	tgtactccac	1680
aagggtgtgc	tgctgtcctt	ggaggggtcc	cgaccatgac	aaaaggaaca	agatgaggag	1740
aggggtgctg	ggcccatgag	cagcctggag	agtgggtgca	gagtagaagg	aacgtacagt	1800
cagcctctt						1809

<210> 5452

<211> 587

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1)...(588)

<223> n = a,t,c or g

<220>

<221> misc_feature

<222> (587)...(109)

<223> similar to gi567205 in the genepept database release 114,

Run with FASTXY 3.3t00, default parameters

<400> 5452
tttttttttt ttattgacat ttcgatctaa gtggtcataa accagatagg tagttttatt 60
aaaagattta ccctaagaac actccttcta ttcccatthc tgacatccta cccacaccca 120
cattcatcga ctacatgctc ttcataatgt cgtagaatga cattgtcatt attgtcctgg 180
tagagcatgg aaatgggaga cagcttggtg gggatacaca cagcctgggg gatctctggg 240
tcaacggcat gcatcagggc ttgcatgaaa gcataattgg agctgttgag agagatggtc 300
agtgagaagg gacactctcc atggcagtaa tttgccatga accccttggg ggcaatgatc 360
cacttggtgc aaccaggtc ccggaagtta atgaatagct ggtgacgggtg gcagagggtc 420
ttacaagaaa gcttggggac agggatggct gctctccttt tccgagaagg gtggcactga 480
tcagggttga gagtcaccac cagcagggaa gcatgaaggg agcatcttag tctggcacag 540
gtgtcttcag gctgaaaatt cacccttgag tcncnatctt ctttgac 587

<210> 5453
<211> 598
<212> DNA
<213> Homo sapiens

<220>
<221> misc_feature
<222> (601)...(87)
<223> similar to gil651355 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5453
ctacacgacg gtattcattt aggcggaacc atcctccatg tgcgtatcgc cagcggcggtt 60
gatatgggtc agttgcacaa tacttatttc ttcaaagtgt gatggaaatt acacggacgc 120
gtacgggcat ccagctgcgg cgcgatgata ttttcccatg cggtagcgga cgctttgggtc 180
gaaccgggca tggcgaaaat cagcgttttg ttggcgacgc ccgctaccgc acgagattgc 240
aacgtggaag tgccaatctc ttcaaacgac aacatccgga acacttcacc aaaaccttca 300
acttcacggt cgaacaacgg cagcaatgct tcgggagcct gatcaccttc cgtcaggcca 360
gtaccacccg taatcaatac cacttgatga tcgtcgctgg cgatccacgc agatacctga 420
gcgcgaatag cgtagcgggt ttctttcaca atggctttat cgacaacgtg atggcccgtc 480
tcttgccgag aatcgcgag atagtaccg gaggtatcgt cttcttcacc gcgacgatta 540
gaaaccgtaa gaatagcaat acgggtcggg ataaattcag tgcttacctg actcatct 598

<210> 5454
<211> 454
<212> DNA
<213> Homo sapiens

<220>

<221> misc_feature
 <222> (4)...(179)
 <223> similar to gi2367275 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5454
 tgcggtctgc ctggtgaaat aaaacaacaa ctggaagagc ttgaaagcga ctggcgcaag 60
 caacacgctt tattcagcga acagcaaaaa tgtctgttta tccctggcga ctggttaggt 120
 cgcattgaag ccagcctaca ggatgtcggt gcacagattc gccaggcaca acaatgctaa 180
 cgctggatac gcttaatgtg atgctggccg tcagcgaaga gggattgatc gaagagatga 240
 tcatcgcaact gctggcctca ccgcagctgg cggctcttct tgaaaaattc ccacgcctga 300
 aggcggaat cactgatgat gttccccgct ggcgtgaagc gctgcgcagt cggctgaaag 360
 atgcccagat cccgccgga ctcaccgaag aggtgatgtg ctatcagcaa agccagctcc 420
 tctccacgcc acagtttatt gtgcagctac caca 454

<210> 5455
 <211> 2177
 <212> DNA
 <213> Homo sapiens
 <220>
 <221> misc_feature
 <222> (1577)...(813)
 <223> similar to gi2736345 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5455
 tttttttttt ttaaatacaa atgtttttatt acgcaaacca catgtaggctc ccaggctcag 60
 gggcttaccc tacagccccc actggtccct ggctccaagc ctgctccttg cccttgccca 120
 ccctggaaag ccaggatctc ctatggagtgt ttaggtgtc cagagtgta ccggtgtgcg 180
 ggctcctctgg gctgcaggca ctcaggcatg gtggcagcat tgagggaaag acaggtgttg 240
 gggagcgggg tccccacctg cccaggctca ggagtcacag gggctctgcac agtcctttct 300
 gctgtggaac acgtgataga tgctggctcg ggggaacata gcaacagcgc cgagcagaga 360
 gccacctgg atggccacgc cggctgccag caatgccggc cggccccgc catgcagcag 420
 ggagctggct gccaccttca cgtaggagaa cagccaaga cacagcacc acgacagcac 480
 cagaggacc acccccgcg aggtgccac caggggcggg caggggctca ggactgccag 540
 cgccatcagg tagccccac agaacacgcc cagcagagag aggccgcccc gccctgccaa 600
 ggacctgcac agcacacca tggccaggaa gcaggccagg ggattggcag cactgccag 660
 caccacagcc aggtggtagg ccagacgccc gtagggttaag caggaaaagc tctgcacggc 720
 aggcagcag ccatttgtca gcgcgttggt ggcgccaac aggccagca ggcaggcact 780
 gcgggctgat agaagctgat aggccttagg gtctggacca ggggtggtgc ctgctgcctg 840
 gcttggtggc tcttgcaagt gtgaggactc tccacctct tctctgtct ctggggctcc 900
 cacctggagg cctgatccta actcccctgt gggtacagat ggtggtggcg gcaacagcag 960
 cagaagacc tggaaggcag cagctgaagc gaccagaagg gcagtcagt cccagaagaa 1020
 ggtgctggcg ggaacacgct caaggaagtc gagcgggggg ccaggggtgc cgttgatggg 1080
 ggctggcggg cactcgaggc ggcccacacc ctgcactagg gccagcacgc agggcagcag 1140
 ggcactcagg ccttgacca ggaagaatga ccgtaagaag cgaggtggca ggtggctcaa 1200

gaagggcagg	aaagtgacat	tcgaggcaca	gcatgccagt	gccagcaca	aggccagtgc	1260
taagaaggcc	acagaatgca	actgtcctgc	cactggggcc	acatggtgcc	acagagaggc	1320
cagcagggct	gtgcccacca	tgcccagcac	ctgcaccacc	cggatgggga	cctgctcgtc	1380
ctttcctggg	gccagcctcc	tccagagggg	caccaccagc	agaccaggt	tccccagagc	1440
cacaagcaca	gagacgtaag	aggggagggt	ccaaccctct	ggaagctctt	tgaccaccac	1500
aggtagctcc	acccagatcc	cattgaccgc	agcccaggag	cccatgccga	agagagccac	1560
cagcaggtgg	gtcagcaccg	gacgggagg	cgtgggtgct	gccattcagc	ccaaggctgg	1620
gcccttccag	gtcagggcaa	aggtcacagc	cagttctttt	cccacctagg	gccagacacg	1680
ctttggctct	cctgggaagt	gaagactttt	tctagccagc	gggaccgccg	gcaggcaggg	1740
aagcaggaag	ccggcccag	tcgctgcggc	cccaggggag	gaggccgaag	gagcgagtgg	1800
agccctcctc	tccagggaga	ggcggggctg	gagtcaacgc	caccaccacc	ccaagccgga	1860
cgccgggaaa	gggcgcctac	caggaggagc	cacgcacacc	ccagggtctc	acggtgcccg	1920
cgaccgcaag	agccaagtca	gatcccagg	gagtggccgg	gacggctctg	ctcggagggg	1980
cgccgccctc	tcggtaccgt	caggtgggcg	actcgggagc	cgtccgggtc	ctgcgcctcc	2040
cgggtcccgg	cccagtgcgc	tcccgtctca	gtgcgggctt	cccgccacgc	cgggacaccc	2100
ccgtccggcc	cagggacgcc	acctcagttc	ggagcgcgca	ggaccgggca	gcagccacga	2160
cccgaactac	ccgtggc					2177

<210> 5456
 <211> 1228
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (19)...(1004)
 <223> similar to gi3327222 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5456						
ctgcaggatt	cggcacgaga	atacagcgag	ctcctggaca	aggcttcgga	aactgatgat	60
ccatatgagc	gcatggttct	cgttgccgca	tttgagttt	caggatactg	ctccacctat	120
ttcagagcag	gaagtaagcc	attcaaccga	gtccttgggg	agacttatga	atgcattaga	180
gaagacaagg	gattccgctt	tttctcagaa	cagggttagcc	atcatccacc	catttctgcc	240
tgtcactgtg	aatcaaagaa	ttttgtgttt	tggcaagata	tcagatggaa	aaacaagttc	300
tgggggaagt	cgatggaaat	cctgcctggt	ggaacactga	atgtcatgct	tccaaagtat	360
ggagattact	atgtgtggaa	taaagtcacc	acttgcatac	acaacatcct	cagtgggaga	420
agatggatag	aacattatgg	agaagtaacc	atcagaaata	ccaaaagcag	tgtttgcatt	480
tgcaaaactca	catttgtcaa	ggtgaattat	tgggaattcta	acatgaatga	agtccagggg	540
gtggtgatag	atcaggaggg	gaaggcgggt	taccggctgt	ttggaaagtg	gcatgaagga	600
ctctactgtg	gtgtggcccc	ctctgcaaag	tgcatttggg	gaccaggttc	catgccaaca	660
aactatgagc	tgtactatgg	cttcacaagg	tttgctattg	agctcaatga	gtagatcca	720
gtactaaaag	atctccttcc	accaacagac	gcccggttcc	ggccagatca	aagatttttg	780
gaagaaggaa	atttagaagc	tgacgcatca	gagaagcaaa	gagtagagga	actccagaga	840
tctcggagac	gatatatgga	agaaaacaat	cttgaacata	tacaaaaatt	ttttaaaaaa	900
gttattgatg	ccaatcaaag	agaagcctgg	gttttctaac	acacctactg	ggagcttcga	960
aaggaccctg	ggttttagca	agtagacagc	cctgttcttt	ggtagactgg	gaatgtagag	1020
ctagccaaca	tatcacattc	tgaatgaata	aataactatg	cacaattatg	tttcttatag	1080
ctatgtgtgg	tttctgggtc	gactgaaaac	ctaccatttg	cttttctatt	catctttata	1140
atggactttc	agaagtgcac	tagacaaggc	ccctaaccac	tttgggatcc	tttctgtttt	1200

gctgcaacca tattccttaa aaaaaaaaa

1228

<210> 5457

<211> 1833

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<222> (1834)...(943)

<223> similar to gi4680693 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5457

gtaatgatgc	tacctgtcat	ttctgagact	ggtttgtgtc	tttcgtgttt	ttttctgatac	60
tgtctggcta	gagggtttacc	aattgatttg	attttcctca	aacttctggt	tacaatgatt	120
ctctctctct	ctcttttccct	gattatatta	atttctgttc	tgatctttgt	ttccttttctt	180
ctgcttactg	gattttatatt	gctctttttc	tggtttctta	ctgtaaaggc	agaagtcatt	240
gatttgcatt	gatttgagac	ttctttttcta	atgtaggcag	taagtgggtg	aaattccctt	300
ttagtatgac	tttagtggca	tctcacattg	atatgttttc	aatttcattc	agtttatattt	360
tatttatattt	ttaaattatt	tatttttttt	tttattattt	tgagtgtgtg	agcccttcta	420
ttacgcaact	caaaatagaa	gcgtatctgt	tgtacaacat	gggtagtaat	tgactataac	480
tggagattta	ttatattcta	atacagatca	tttataaatg	caatttcttt	attaaaaagc	540
ttccaccttt	ttgtttgttt	gtgtacaatt	tgcaaaacta	ttctgaaagc	ggaatatatg	600
tgcaaaagtc	tgcaaaagag	gcaaatttag	gatattggtaa	atgcttttaca	agttactttc	660
aaaaaactgt	ctgccacaac	tgagccttta	cattgtcatc	ttttttgatc	aaaatatattt	720
gatgccagcc	ttcctttccac	tgccctaaac	tataaagcat	tttttaataga	gttgaaatta	780
aggaaggact	accctacta	gaaaaaaaga	gaagaaagtt	ctattagttt	gagggtttcag	840
aatcccccca	aaccaggacc	agtatcgtgg	taaaggctag	gctgggaccc	cggacagagt	900
atgagaatgt	gcagggtggca	tccctgagga	ttcagagctt	cagtggaccg	tgagtgtctcc	960
agctgcataa	ctcactgaac	tgtcttgcca	gtttctacac	tggtctgact	gggcataatt	1020
caaaaacgaa	aaactcatat	tcattccatt	cttctggagc	tctgtgatag	catttaataa	1080
caccccaatg	ggatgtcttc	cacatatagt	attatgggtat	ttcttcaagt	aattgctaaa	1140
agatacaggg	tctaattggt	ctataatact	catacccat	ttatctagat	gttcaatgga	1200
tctataaatc	tccccctggg	attcatcata	gtaactgtaa	cggaaccttt	gaccccaatg	1260
gcagaaatca	gaagaaacca	caaagagatt	actaggatcc	gctagatatt	tactgaagag	1320
ttttccgaat	tcctgtttct	ttgactcact	cagagctcca	accagtacag	gaataatggt	1380
aaactcatcc	ttatggcttt	ccatggcttt	agctgtataa	ggcaaatgca	tttcaatact	1440
gtgttcatct	tcactgtgtc	gcagagacat	gcgttcaaac	attcctgtct	tccacagttc	1500
tccgtaaatc	ttttgggtcaa	tacgaaggct	atacagaggt	gtcctatata	tatccacact	1560
ggaaagtgca	catcgagaga	ggggcacatg	atgagaaggc	ccaaggatga	aaattctccg	1620
ggtaatagac	ggatccactt	gtttataagc	atgggcagca	caagaccac	agtacgtata	1680
tcctgcatgg	ggggcaataa	tggctctagc	aggtcttttt	gtagactgta	cttgtgaaag	1740
ccaaccttct	agctgtgcat	tcagctgcgg	tcctgaggct	gtgtaccagc	tcccggcgtg	1800
actggcttct	cggcagacca	ctcggttgga	cat			1833

09488735 "0.42100

<210> 5458
 <211> 970
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (239)...(603)
 <223> similar to gi399711 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5458

ttgcggaatt	cggcacgagg	ccgactacaa	cagattggag	ccatggcttt	ggaacagaaac	60
cagtcaacag	attattatta	tgaggaaaat	gaaatgaatg	gcacttatga	ctacagtcaa	120
tatgaactga	tctgtatcaa	agaagatgtc	agagaatttg	caaaagtttt	cctccctgta	180
ttcctcacia	tagttttcgt	cattggactt	gcaggcaatt	ccatggtagt	ggcaatttat	240
gcaaacatt	aaaatatctc	gacccctaaa	agttctgctc	acagtcgtta	tagttttcat	300
tgtcactcaa	ctgccttata	acattgtcaa	gttctgccga	gccatagaca	tcatctactc	360
cctgatcacc	agctgcaaca	tgagcaaacg	catggacatc	gccatccaag	tcacagaaag	420
catcgcactc	tttcacagct	gcctcaaccc	aatcctttat	gtttttatgg	gagcatcttt	480
caaaaactac	gttatgaaag	tgGCCAAGAA	atatgggtcc	tgGAGAAGAC	agagacaaag	540
tgtggaggag	tttccttttg	attctgaggg	tcctacagag	ccaaccagta	cttttagcat	600
ttaaagctca	tccataataa	ctccgggacg	actgactaca	caaggagaga	atggtgattg	660
gcatttacct	gtcatacaga	agcaagagca	atcaaggcat	agtccacgtg	gctgagtcgg	720
ctgacagctg	gcaaaaacaa	gttcacagaga	ccctcgactt	tgGCCATTTT	ctgtcaaggt	780
gatgaacatg	ccagagtgc	cataatttac	caggactcac	agtagtttat	ttcttttttt	840
aaatattgg	atttatgac	tttgaaattt	aaaaacactt	atggagttat	ttattttact	900
gtattctcca	gtgagcaaaa	ccaagttcct	attaattcat	tataaatcaa	cagtttaacc	960
attaaaaaaa						970

<210> 5459
 <211> 1329
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (146)...(284)
 <223> similar to gi6013425 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5459

tgCGGacttc	cgacgaggag	gagggctggg	tcGCCagtgt	gacaggagac	tgcaaatccc	60
ttttgtgaaa	ggagaactgg	tactttgcgt	gaggttaaac	ttcacaaacc	gctgctcaga	120
aatctgctat	tttccttctc	ttttaggact	ttatggacag	cagcctgcta	accaagtcac	180
cattcgagag	cgctatcgag	acaacgacag	cgacctggca	ctgggcatgc	tgGCAGGAGC	240
agccacgggc	atggccttag	ggtctctatt	ttgggtcttc	taggggcctc	aaggtcttga	300

tgtgcatagc	ttctgataac	cctgtgtgca	ataatatgat	ttgcagggca	tttctgtttg	360
tgacaaaagt	ttttaataat	agttttaatc	attcctttga	aagtagtgat	gtcataattg	420
tactaatcca	cataagtacc	acagagaagg	gtttgaactg	tgctattttg	ttcaaagtgt	480
gactctccgg	gggcactggc	tcattccaag	actgttcttg	tgcaactctc	agaatacctt	540
at ttgagcat	acctgttttg	aaaggcattt	tctttttaga	gttaggtgta	gtgcttaagg	600
gttaatttat	tttcatgtta	tgccagtaat	atagtgttgt	atgcctattg	agtgattgtg	660
gcaagaaaag	ctacagcttc	tttgcgttta	actttttcaa	accacagacc	agaactgggt	720
gcatgttact	ttaggagttg	tgggttggtg	agctcccagg	tacttcccga	ggctatgggtg	780
tgagagcccc	cgtcctgccc	tctggggctc	cacaggcccc	tggcaaggcc	gatggctcag	840
gatgatgggg	cacagcccgc	ctttgaacaa	tcatgcttca	gaaatctgcc	tgaccctagc	900
tgctgctgct	ggctcacttt	attcttgtat	ggctttggta	ggcatacttg	gagaacatat	960
cccacattag	ggaattgatt	taagcctgag	agtttgaggg	ctttaatcct	ttaaaacttg	1020
gagaagctgg	ctgggccgcg	ggtgctcacg	cctgtaatcc	cagcactttg	agagaccgag	1080
gccgggccgg	atcacgaagg	tcaggaagat	cggagaccat	cctggctaac	acggtgaaac	1140
cccattcttct	actaaaaata	caaaaaatta	acctgggcgt	ggtggcaagg	cgcctgtggt	1200
cccagctact	cgggaggtcg	aggcaggaga	atagtgtgaa	cccaggaggc	ggagcttgca	1260
gtgagccaag	atagtgccac	tgcacttcag	cctgggtgac	agatgtgaga	ctctgtctca	1320
aaaaaaaa						1329

<210> 5460
 <211> 1916
 <212> DNA
 <213> Homo sapiens

<220>
 <221> misc_feature
 <222> (1)...(1917)
 <223> n = a,t,c or g

<220>
 <221> misc_feature
 <222> (1614)...(1414)
 <223> similar to gi4490420 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters

<400> 5460						
tttttttttt	ttgagcagga	gctgggcctt	tgaggggccc	tgctccaacc	ccaagctgca	60
tttatgaaat	aacccatcac	aggtggattt	taaaaatacc	caaaaaaat	atttaatatata	120
cattataaaa	cctagggggg	gtttggaggg	ggcctgagcg	atatgcaaac	agggaggacc	180
ttcaggaaaag	ctcggggccag	ggtcggggat	gaggaaggga	aggggcacag	tacttcatat	240
gaaactcata	aatacccaca	ggtggctgct	ggacaggccc	agctggctct	gggggcctgg	300
gtgttaagaa	gggacagcag	gtgaagggtt	aaccttcagt	cccagaaac	tgggtctggg	360
agctgctact	ctaggcaggt	agattgaggt	ggggaagaac	ctaagggagc	agtgccccac	420
caagggtttg	tcagattcaa	gcctcaggca	agagaaaaat	caaaagcctt	ctgctactct	480
ctccctctgg	gcctctggtc	tgcccagagg	ctgggactcc	ttcctctacc	ttgctctcaa	540
tctggagggt	gctggggggg	gccccatctt	cctggggccc	ctggctggct	tgtgggctaa	600
tgagggtgcta	atgggggtcta	gtagctgctg	tgctcccttc	ttcatgccca	gtctgaaaca	660
ggtgctcccc	taaccacagcg	cccctcgatg	aggctccact	ccacactgca	gagtctctcc	720
cctaccctgc	ggccagcccc	cgcgccaggg	aggtagtata	aacctgggct	ctggggacaa	780
gcagccctgg	atgagaactc	cagctctgcc	cacctctcct	gtgggtccct	caacttctctg	840

gagcctgggc	acttcatctg	aaaccacagag	acctacgctg	ctgtgcggag	tctgaggacc	900
acacaagcca	tgcaaggagt	ctgggcacca	ggcctgggac	acaaangggg	caaggaagtg	960
tgggcccctc	tgctctcagt	ccaaccccaa	ccggacactc	ccagggcctc	tgctcactga	1020
ctcccttggg	ctccatcctg	ccctcacctg	cccatcatgc	tcccccaagg	gtgggtgggg	1080
gtacagtggc	cacacatgct	ggaggctgaa	ggtgtcccct	atccccacct	ctctgagggtc	1140
acgcgaggct	gggcagagca	gggtgatggg	gggtcagcgc	cccggacagg	ctgccccacc	1200
gttgagccct	cctctcctct	cttctcccac	aattaaagcg	cagaacagtg	gcagggagtg	1260
tgtgtgctgg	ggtaggtggg	gaggcctcct	gggtcctggg	cctgaggcct	ggcaggtaga	1320
tgaatcctca	atcctggacc	cccccagggg	tgccaggcag	gtgtggagag	gagatgctca	1380
ccctgcatcc	ttaaggaggc	gcagagggca	ccctagtctt	tgacgagctt	gtagacatgg	1440
tgctgggccc	cgtgctcact	ggtggagact	tcgaagacaa	aagcaatgac	aagcagggtc	1500
tcctgggagt	cccggtcgt	gaccacctgc	aggatggtga	agttctccag	cacgtgttc	1560
atcatgtact	tctcgggcag	gtgcttcagc	ttgtggatga	agttgatcat	gtaaggagtc	1620
tgggcaccag	gcctgggaca	caaaggggca	aggaagtgtg	ggccctctg	tcctcagtc	1680
aaccccgacc	ggacactccc	agggcctctg	ctcactgact	cccttgggtc	ccatcctgcc	1740
ctcacctgcc	catcatgctc	ccccaaaggt	gggtgggggt	acagtggcca	cacatgtggt	1800
aggctgaagg	tgtcccctat	ccccacctct	ctgaggtcac	gcgaggctgg	gcagagcagg	1860
gtgatggtgg	gtcagcgcgc	cggacaggct	gcctcgtgcc	gaattcctgc	agagcg	1916

<210> 5461
 <211> 414
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature
 <222> (53)...(128)
 <223> similar to gil763291 in the genepept database release 114,
 Run with FASTXY 3.3t00, default parameters -

<400> 5461	
cccgcctgca	ggaattcggc acgagccaaa actgaacttc taaaataact aggaaggact 60
cgagaaacta	catgatatga taattaaaag gagaaaaatg ttgcggcaac agaaaaagaa 120
gagatgaatg	gcagtacctt ttatattggt gtggaatagg ttttcctggg tctgatttct 180
gacaagctga	agagtgtcta cagcctgggt tgcctgtctg ccctcatgga tgctattaaa 240
gctttgtttt	gttgaacagt cagataccca actctgttgc cttgtggaag atgagtcaat 300
gcaatgcttc	ttaaagtggg ctcttctccc tgaccacaaa atcttttggg actaccattt 360
tgggaagtca	aaaaaggcta gtaattgacc agaaaacaat tttgtggaaa tttg 414

<210> 5462
 <211> 5980
 <212> DNA
 <213> Homo sapiens

 <220>
 <221> misc_feature

<222> (1)...(1892)

<223> similar to gi3327216 in the genepept database release 114,
Run with FASTXY 3.3t00, default parameters

<400> 5462

atcctgcttt	cagagaactt	aaggaaagat	gtagaagctg	taactggcag	tcctgctagt	60
cagacatcca	tttgtattgg	aattttactt	agaagtgcag	aactggctct	tttgctccat	120
ccagtggatc	aagcaaatac	tcttaagtct	cctgtttctg	aaagtgtgag	cccagtggta	180
cctgattatt	tgccctacaga	aaatggggat	tttttgtctt	caaaaagaaa	acaaattagt	240
agggatataa	atagaattag	aagtgttaact	gttaatcata	tgtcagacaa	cagatctatg	300
agtgttgacc	ttagccatat	ccctttaaag	gatcctttgc	tttttaaatac	agctagtgat	360
acaaatctgc	aaaaaggcat	ttcttttatg	gactatttat	cagataaaca	tttagggaaa	420
ataagtgaag	atgaaagtag	tggacttggt	tacaaaagtg	gctcaggaga	aattggatca	480
gaaacaagtg	acaaaaagga	ttcatTTTTat	acagattcaa	gtagtgtctt	aaactacaga	540
gaagattcga	atatactttc	atttgatagt	gatggtaatc	aaaacatact	ttcaagtact	600
ttacttagta	aaggaaatga	aaccatagag	tccatcttta	aagctgaaga	tttgcttcca	660
gaagcagctt	cactctctga	aaacctggat	atcagtaaag	aagagacccc	cccagttaga	720
acacttaaat	cacagtcata	tttaagtggg	aagcctaagg	aacgttgccc	acccaacctg	780
gctcctctct	gtgtttctta	taagaatatg	aaaagaagct	cttcacaaat	gtcattggat	840
accatttcac	ttgacagcat	gatattggaa	gaacagttat	tagaaagtga	tgggaagtgat	900
agccatatgt	ttttggaaaa	aggaaataaa	aagaactcaa	ctacaaatta	caggggcaca	960
gcagaaagtg	tgaatgctgg	tgcaaacctt	cagaattatg	gtgaaacttc	tccagatgcc	1020
atcagtacaa	attcagaggg	tgctcaggaa	aatcatgatg	acctgatgtc	cgttgtggta	1080
tttaaaatta	ctggtgttaa	tggggaaatt	gacatccgag	gggaagatac	agaaatctgt	1140
cttcaagtga	accaggtgac	accagaccaa	ttaggcaata	tcagccttcg	gcattacctt	1200
tgtaatcgct	cagttgggtc	cgatcagaaa	gctgtaattc	attccaaatc	ctctcctgag	1260
atttctctga	gatttgaaac	tgggcctggt	gctgtaatac	actctttact	tgcagaaaaa	1320
aatggatttc	tgcagtggca	catagaaaac	ttcagcactg	agtttcttac	atcttctctt	1380
atgaatattc	aacatttttt	ggaagatgaa	actgttgcaa	cagtaatgcc	aatgaagata	1440
caagtttcta	acacgaaaaat	aaattttaaaa	gatgatagtc	cccggagtag	tacagtatcc	1500
cttgaaccag	ctcctgtaac	tgtacatatt	gatcatcttg	tggtagagag	aagtgacgat	1560
ggctcttttc	atatcagaga	ttctcacatg	cttaacactg	gaaatgattt	gaaagaaaaat	1620
gtcaaaagcg	attcagtgtc	gctgaccagt	ggaaagtatg	atctgaagaa	acaacgcagt	1680
gtcacgcaag	ccactcagac	aagcccaggg	gttccttggc	cttctcagtc	agctaacttt	1740
cctgagttct	cctttgactt	cactagggaa	cagctcatgg	aagagaatga	atctcttaaa	1800
caggaactgg	ctaaagctaa	aatggctctt	gcagaggctc	acttgaaaaa	agatgctctt	1860
cttcatcata	taaagaagat	gacagttgaa	tagcaggagt	ggcagtcaaa	actgaaatta	1920
tagctctggg	agtaggaagg	ttatatTTTat	aatgtggatg	ttaccagtta	ggggaagact	1980
tttattttca	tgaaaagaca	ataaaaacaaa	atggaatgtg	atgaagtggg	gactatttca	2040
aagccagttt	agaaagtatt	agtacgggca	ttacaatctt	ttggttggtt	tgtgttttgg	2100
ggcttaaccc	tcttttaagc	tgttgtgatc	ctagggaagt	caacacatag	tgtaaaataa	2160
ttaccatgcc	ctaataaaaa	gaagatgtca	tttcttaatt	ttgatattct	attttcggca	2220
ttttttaaaa	tgtaaaagga	aaacctcttg	tgttcacaca	gattgctgaa	ttgatttctc	2280
catatttggt	aataattttac	tattattttac	aaagattcaa	atgctttttat	gactaatgta	2340
aaatgaaaag	aggcttacat	tttaaatggt	attaaaatta	tgtacttaaa	tctataatta	2400
tttaattatt	gtaaaaagtc	caagcagatc	aataaactat	ataattaatg	ggtttggaag	2460
atcatcaccc	tactgaactt	acaaaatata	ttgaaaatgt	gaaaaatata	atttttaata	2520
atgggtacat	tgtataagtg	gaagctataa	ttttcaacaa	aaagatggta	caaagttaaa	2580
agtaaaaagc	acaaactata	caaaagcaaa	atctatggcc	aagtgattta	aaagcattac	2640
ttgtacattc	ctttaaacat	ttgttggttag	aagcaaaaga	gtaattttatc	ctgctaaatt	2700
tggcaccatt	tgttaattata	aaaattttga	ttataactat	ttatattaat	ttctttacct	2760
tcattttttc	tccttaagga	gttgattggt	tttggaatg	tttttttctt	tgcacataag	2820
acagtttcat	accattctta	tagaatcata	ttaggtgggt	gtttgcacat	actaaattta	2880
taaagctagt	tttgattaaa	gctctatgtg	agatatatat	acatacacia	gtcttctata	2940

ataagagtcg	ttggtgaatt	ttgaattcta	ttttgttagg	aattaagggtt	gaaatcaaca	3000
tgaaagaatc	tcaatcatgc	attataaaaat	aaaagtacat	gggtgttaag	aaacaagaga	3060
cttttaaaaga	tttaaaatat	attttctgata	gaatttaact	aagtgggtgtg	tatttttaaaa	3120
ttcacattct	taaacataaa	tctatccaag	atagaaaatg	aaatagctgg	actactcttt	3180
ctttaagata	cttgaaaatt	ttaaaccaca	ttgcaacact	ttatgggtgct	ttgcgtgttt	3240
ggcatgacat	acacagtggt	cctggtatat	aagtgccttg	gggaaaatac	atattttgtt	3300
tacattaaat	tttgaagtga	tttaggcctt	attgaaaaca	atactggcct	tccctcccct	3360
tctctaacat	ccattttcat	ttacgttatt	taaaatatac	aggcactgtt	ttgggtacag	3420
aggatatagc	caagagcaaa	ttgatagtag	tttacctcag	agtattaaaa	aaatcataat	3480
aagtcatggt	aatctaaaac	tatataatag	ccttagatta	aatgtgcaga	tgtctaatta	3540
aagatttaaa	atgtatagcg	tatgtcctta	gaacatttga	tttttaggta	tacattcggc	3600
aaaaacagtc	tgttatggaa	aagaaggatt	gatgggacat	taacttcctc	cgagctaaca	3660
ttgtttctga	agattgacct	attctatata	aatttaaaatt	tttctatggt	tttctttttt	3720
tttttgcgat	gaggtttcgc	tcttgttgcc	caggctggag	tacaaggggg	ggatcttagc	3780
tcaccgcaac	ctccgcctcg	ggggttcaaa	tgattctcct	gtctcagcct	cctgagtaac	3840
tgggggttaca	agcgcccacc	attacgccc	gctaattttt	ggtatttttg	gtagacacag	3900
ggtttcacca	tggtggccag	gctggtcttc	aactcctgac	cccagggtgat	ccgcccacct	3960
cagcctccca	aggtgctggg	attgcaggcg	tgagccaccg	taccggcct	ctatcgtata	4020
ttataattgc	ttattgttat	agaagctgaa	tgttttactt	actactttta	aattttatttg	4080
gtcttcccaa	ggaaatcata	caaacggtag	agattatgat	aatctgagca	ttctgtgtgc	4140
ttagtttgat	ttttttat	ataagcagta	ctatttttat	agatgtttaa	aattcataaa	4200
acactgtatt	ctgagaggta	ggtattattc	aaatgttaga	aatttttttt	aaaaaaatgc	4260
cctgaggcct	agaaaggaca	aatgactgaa	atcacaatta	gtaatctggt	cttttagactt	4320
aaagcctagt	tatatgcttt	tattatagct	tagtcattaa	ttcacacatt	ttcccttatc	4380
ttttttatct	tttaaagggtg	accataaaaac	tttaaattgt	gtgtgtacgt	ctatgtatga	4440
ggtatatggt	accctgtttg	tgttattcaa	actaccta	agataggatg	atttttgttt	4500
aagtgaatcc	caaactagca	gtctgagaaa	tacaggaaa	cctgataatt	gacttaccag	4560
agttggcttt	ttttttttaa	gttaccataa	tttagatata	aagttgtcat	gtcctggaat	4620
ttaaaaaaga	aatctctagc	tgagagatgt	taatggtcag	gagttgaaaa	tgacaattgt	4680
gctttgcttt	ttatttttat	tttttgttta	tttttgagtt	ttttggagtt	tttttcctat	4740
attttttaatt	gagaagtaaa	aattatata	ttatgggtga	caacacgatg	tgatacatgt	4800
ataccttgtg	gaatggctaa	atcaagctgt	ctaactgttt	acctcacaaa	ctttttttgt	4860
agcgagaaca	cttaaaattt	tgtaacaatt	ttcaagtata	cagcatattg	ttattaaactg	4920
taatcacgtg	atatacagta	gatctcttga	acttatattt	actaactgca	atttcgtgtc	4980
ctttttacaaa	catctcccca	tttccccatc	ccccagcctc	tgataaccag	aatttttactc	5040
tccatcccat	gaagttgact	ttttttgcac	tccgtaagtg	agatcatcta	gaattttggc	5100
atgtctttct	gtgcctggct	tattttcactt	aacacagtgg	tcccctgtgt	agctgggacc	5160
acaggcgtgt	gccactacac	ccaggtttat	ccatgttgct	agaaatgaca	ggatttcctt	5220
tttttaaaaag	ttgaatggta	ttctcttatg	tatattttcc	acatttgctt	tttccattca	5280
tccattgatg	gacagttaaa	ttgattccat	atcttggtta	ttgagtaatg	ctgcagtga	5340
catgggattg	cagatatctc	ttccacatac	tgatttcggt	tcctttgaac	atataccaaa	5400
tagtgggatt	ggtggataat	atggtagttc	tattttttta	tgttttgagg	accctccata	5460
ctgtttttcca	taatggctat	aataatttac	attgccacca	acagtgtaca	aagcttttct	5520
ttccttttct	ctgcatcctc	tccaacactt	cccttttgct	ttcttgataa	tagtcattct	5580
aacgggtatg	attacagtag	ctttgtagtg	ggttttctgt	gctgtgcttt	ttaatttcat	5640
gtatgtaaaa	aacattgggt	attttgaatg	tttttctttt	ctcaccttat	cctagaactt	5700
gaggctgggc	gcggtggctc	atccctgtag	tctcagcact	ttgggaggcc	aaattgggca	5760
gatcacttga	ggtcaggagt	tcgagaccag	cctggccaac	atggtgaaac	cccatttcta	5820
ctaaaaatac	aaaaaattagc	caggcgtggt	ggtgcacgcc	tgtagtccca	gccaatcagt	5880
aggctgaggc	acgagaatcg	cttgaaccca	ggaggccaag	gctgcagtga	gccacgattg	5940
caccactgca	ctctaacctg	agcaacacag	actccatctc			5980